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T H E
ULLAGE CASK GAUGER,

COMPRISED IN A SERIES OF

~~529.9.21.~~
~~2~~
T A B L E S,

CALCULATED WITH THE

UTMOST ACCURACY AND PERSPICUITY.

W H E R E B Y

The ULLAGE CONTENTS of any CASK, from *Five* to
One Hundred and Sixty Gallons (inclusive) is at
one View *exactly* and *expeditiously* known;

A N D L I K E W I S E

The ULLAGE CONTENTS of all other CASKS, *however large.*

A S A L S O

The FOOT or SEDIMENT in OIL CASKS, are
alike *correctly* ascertained.

C O M P I L E D

After the most approved METHOD made Use of by the
E X C I S E.

By J A M E S B O Y D E L L,
L A T E W I N E M E R C H A N T.

L O N D O N:

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and sold by him at No. 2, COOPER's-ROW, CRUTCHED-
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M D C C L X X X I V.

THE LAW OF GROWTH

Dinner with Maxine

21 K. 1955-01-01

1912

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Survival of *Salmonella* from DNA

1981-1982

The DEDICATION.

DANIEL MILDRED, Esq.

SIR,

UNDER Divine Providence, it is to you, *Sir*, the *Public* are indebted for any Advantages *they* may derive from the Exertions of my poor *Abilities*.

In your *Service* it was, and under the Influence of your *worthy Example*, *They* were *called forth, expanded*, and as it were, brought to *Maturity*: To which, permit, me, *Sir*, to add, the long continued *Partialities* you have shewn me, and the many singular *Obligations* conferred upon me, all conspire to point *you* out, the *worthy Master*, the *generous Friend*, and the *kind Benefactor*, and as *such*, the only proper *Object*, to whom I might with *Propriety*, and without *Flattery*, dedicate the following *Sheets*.

Please, therefore, *Sir*, to accept this *faint Token* of the grateful Sense I entertain of your eminent *Worth* and *Merit*, and of the very many *Favours* conferred on

SIR,

Your most dutiful,

Most obliged,

And most humble Servant,

James Boydell.

THE GOLDEN TOWER

BY JAMES R. HARRIS

THE GOLDEN TOWER
A ROMANTIC NOVEL
BY JAMES R. HARRIS

THE GOLDEN TOWER

BY JAMES R. HARRIS
ILLUSTRATED BY JAMES R. HARRIS

IT was not until I was about to leave New York
to go to Europe in the fall of 1882 that I had the
idea of the probabilities of finding the legend of the
tower of the Golden Tower in the mountains of the
Sierra Nevada of California and the subsequent
adventures of the people who had sought it.
so the *Golden Tower*

THE writer does justice to the necessity of a narrative which
tells the legend of the tower in the most dramatic
style of fiction. The story is composed of two parts: the
legend of the tower, which is the most interesting part of the
story, and the description of the tower, which is the less
interesting part of the story. The writer has done well
in connecting the two parts of the story together, and
in giving the legend of the tower a clear and distinct
outline.

CHAPTER I. THE GOLDEN TOWER
An outline of the legend of the tower, which is the
first part of the story, is given in the following
part of the legend, which is the second part of the
story.

A brief outline of the legend of the tower, which is the
third part of the story, is given in the following
part of the legend, which is the fourth part of the
story.

THE GOLDEN TOWER
BY JAMES R. HARRIS

The P R E F A C E.

IT was not many Years after the *Author* of these *Tables* had been engaged in the *Wine* and *Liquor Trade*, than he perceived the Inconvenience attending the frequent casting up of *Stock*, owing to the Difficulty and Expence arising from ascertaining the real Contents of *Casks* upon an *Ullage*, which necessarily must occur more or less, even to the *Wholesale*, but more particularly to the *Retail Dealers*.

He might here enlarge on the Necessity and Advantage arising from frequently casting up of *Stock* in the *Liquor Trade*, particularly of *Ullage Casks* and comparing *them* with their *Outgoings*, the Neglect of which, through a misplaced *Security*, has too often been fatally experienced ; but as this Observation is too notorious to all concerned in this *Trade*, the bare mentioning the Subject may suffice.

Convinced, from the Considerations above, that such a *Work* as *This* would be of the utmost Utility to the *Trade* at large, and stimulated by the Reception with which a *former* + *similar Production* has been favoured, determined *him* to attempt the Undertaking.

† *The Merchant Freightier's Assistant*, for ascertaining the *Square Contents of Packages*. Published 1764.

And now, after a Series of Years*, having, as he flatters himself, brought this *Work* to a State of Perfection, he presumes to tender it to the *Public*. The *Utility* of the Performance he submits to their candid Judgment, but as to its *Correctness*, (from the invariable *Rule* observed in every Operation, to prove the *Quantity* of *Liquor* in the *Cask* by that out) he can safely vouch, even to *Half a Gallon* in any one Instance whatever; for which Assertion, the singular *Correctness* of his former *Essay*, alluded to before, will, he trusts, give him *Credit* with all such as are acquainted therewith.

The *Simplicity*, and other *Properties* of these *Tables* are such, that the *Ullage Contents* of any *Cask*, (laying on its *Bouge*) not only from *Five* to *One Hundred and Sixty Gallons* inclusive, is at one View ascertained, and with such *Ease* and *Facility*, that a Person of the meanest Capacity can hardly err; but also, with very little additional *Trouble*, the *Ullage Contents* of any other *Cask*, *however large*, may be known; They will likewise prove doubly useful in the *Oil Trade*; for hereby the *Quantum* of *Leakage* or *Ullage* in any *Cask* is not only proved, but also the *Quantum* of *Foot* or *Sediment* at bottom (when the State of the *Chambers* are known) is alike ascertained. In short, wherever *Gauging* is necessary, THIS *WORK* can hardly fail of its *Utility*.

E X P L A N A T I O N.

He will now therefore proceed to explain and illustrate the *Methods* by which the above desirable Ends may be acquired by these *Tables*.

And first, the real *Gauge* of the *Cask*, when full, (being usually cut on the Head, of all Liquors imported) must be first known, as that alone determines the *Table*, in which the *Ullage Contents* is to be sought for: Also the *Bung Diameter* and the *Dip* or *Wet Inch*, must be carefully taken, with a four *Foot Rule*, which determine the *Line* and *Column*, in which the *Ullage Contents* are specified.

* Fourteen.

† The one and two Inch Lines of Liquor in or out of Casks excepted, the Sliding Rule barely admitting of that Nicety.

For Instance, a Puncheon of Rum gauging 107 Gallons, whose Bung Diameter dips 32 Inches, and the Liquor 21 Inches. The 107 Gallon Table in the 32 Inch Column, and on the 21 Inch Wet Line, shews the Contents of Liquor left in the Cask to be 76 Gallons, viz. 107 G. 32 B. 21 Wt. is 76 Gallons.

This single Instance is sufficient where the Bung Diameter and the Wet Inch prove exact Inches; but it more frequently occurs, that one or other of them, (it may be both) may have a Fraction of an Inch. The three following Cases will suffice to explain every Variation of that Kind, which can possibly happen; and to be more clearly understood, the Author will instance in the same Cask.

Where the Fraction of an Inch happens in the Wet Dip, viz. 107 32 21 $\frac{1}{2}$ in this Case, add the Produce of the 21 and 22 Inch Wet Dip in the same Column above, and take the Medium, or Half, for Instance,

$$\begin{array}{r} 107 \ 32 \ 21 \text{ is } 76 \\ 32 \ 22 \text{ is } 80 \frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 64 \ 43 \ 156 \frac{1}{4} \\ \hline \end{array}$$

$$\begin{array}{r} \text{The Medium } 32 \frac{1}{2} \text{ is } 78 \\ \hline \end{array}$$

Where the Fraction of an Inch happens in the Bung Diameter, viz. 107 32 $\frac{1}{2}$ 21; In this Case, add the Produce of the 33 and 32 Columns on the 21 Inch Wet Line, and take the Medium, for Instance,

$$\begin{array}{r} 107 \ 33 \ 21 \text{ is } 73 \frac{1}{4} \\ 32 \ 21 \ 76 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \ 42 \ 149 \frac{1}{4} \\ \hline \end{array}$$

$$\begin{array}{r} \text{The Medium } 32 \frac{1}{2} \ 21 \ 74 \frac{1}{2} \\ \hline \end{array}$$

Now, it may occur, that there are Fractions of an Inch in both the Wet Inch Dip and the Bung Diameter, viz. 107 32 $\frac{1}{2}$ 21 $\frac{1}{2}$ In all such Instances proceed as follows:

$$\begin{array}{r} 107 \ 33 \ 21 \text{ is } 73 \frac{1}{4} \\ 32 \ 22 \text{ is } 80 \frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 65 \ 43 \text{ is } 153 \frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} \text{The Medium is } 32 \frac{1}{2} \ 21 \frac{1}{2} \text{ is } 76 \frac{3}{4} \text{ Gallons.} \\ \hline \end{array}$$

O I L T R A D E.

The next Illustration *He* shall make on these *Tables*, is the remarkable *Utility* they will be of to the *Oil Trade* in general, as well to *Buyers* and *Sellers* and their *Brokers*; not only, as is before observed, They fully prove the *Decrease* by *Leakage* or *Drawing off*, but likewise the *Foot or Dregs* at *Bottom*.

Now, suppose a Cask of Oil, gauging 84 Gallons when full, whose *Bung Diameter* is 28 Inches, and *Wet Inch* 23, there remains in the Cask $75\frac{1}{2}$ Gallons of *Oil and Foot*, having decreased $8\frac{1}{2}$ Gallons.

And further, suppose, that there are so many *Chambers* of *Foot or Sediment*, as to be equal to 7 Inches *Dip*, the same *Table*, in the 28 Column, and on the 7 Inch *Wet Line*, shews the *Quantum* of *Foot or Dregs* to be 15 Gallons. For *Instance*,

84 28 23 is $75\frac{1}{2}$ Ullage.
84 28 7 is 15 Foot.

BUNG DIAMETER exceeding its particular TABLE.

The above Illustrations will suffice in all Instances where the *Gauge* of the Cask and the *Bung Diameter* come within the Limits of these *Tables*. Now, as to the *Bung Diameter* exceeding the Bounds of its particular *Table*, (though it will rarely, if ever, happen;) yet in that *Case*, it is but observing the gradual *Increase* of each *Column* on the *Wet Inch Line*, if it happens to the right *Hand* of the *Table*, and add to the *Produce* in the last *Column*, viz. 114 23 16 is 87 by the *Rule*.

	G. Col. Wt.		
Now	114	26	16 is 75
	25	16 is 78 2	
			Increase $3\frac{1}{2}$
	24	16 is 82 2	Ditto 4 Increase $\frac{1}{2}$
Therefore add for Col.	23	wanting 4 2	
			87

Now

Now should the *Bung Diameter* exceed the Bounds of its particular *Table* to the *left Hand*, deduct the *Decrease* from the *Product* in the first Column on the *Wet Inch Line*, viz. in same *Table* 114 36 16 is 48 by the Rule

	G.	Col.	Wt.			
Now	114	33	16	is	54	3
		34	16	is	52	1
					Decrease	2 2
Therefore deduct for Col.	35	16	is	50	Ditto	2 1 Decrease $\frac{1}{2}$
	36	wanting	2			
					48	

C A S K S, whose *Gauge* exceed 160 Gallons.

Lastly, it remains for the *Author* now only to prove how the *Ullage Contents* of Casks, whose *Gauge*, when *full*, exceed the Limits of these *Tables*, may be ascertained; which he is well persuaded may nearly be done (allowing for *Fractions*) with very little Consideration and additional Trouble.

In Confirmation of which, the *Author* refers to the following *Instances*; and to such as will be at the Trouble minutely to examine them, they will operate also as so many convincing *Proofs*, of the remarkable *Correctness* of these *Tables*, where *three*, *four*, nay even *five* or more, may be called in *Aid* to prove one single *Operation*.

Instances where they easily correspond with the Tables in the Division of the *Gauge* and *Bung Diameter*, &c.

Other *Methods* to be made use of, where they do not readily occur, viz. The same *Instances* doubled.

First.

Gs. B. Wt.
185 46 32 is 140 $\frac{1}{2}$ by the Rule.

93 23 16 is 70 $\frac{1}{2}$ }
92 23 16 is 70 } by the Tables.

185 46 32 is 140 3

Gs. B. Wt.
370 92 64 is 281 by the Rule.

124 31 22 is 96 $\frac{1}{2}$ }
123 31 21 is 91 }
123 30 21 is 94 } by the Tables.

370 92 64 is 281 2

The Medium is
185 46 32 is 140 3

Second.

Gs. B. Wt.
 200 48 33 is 150 by the Rule.
 100 24 17 is 77 $\frac{1}{2}$
 100 24 16 is 72 $\frac{1}{4}$ } by the Tables.
 200 48 33 is 149 3

The Medium is

Gs. B. Wt.
 400 96 66 is 300 by the Rule.
 134 32 22 is 100 3
 133 32 22 is 100
 133 32 22 is 100
 400 96 66 is 300 3
 200 48 33 is 150 1

Third.

215 49 35 is 168 1 by the Rule.
 108 25 18 is 85 1 } by the Tables.
 107 24 17 is 83 }
 215 49 35 is 168 1

The Medium is

430 98 70 is 336 by the Rule.
 144 33 24 is 114 2
 143 33 23 is 109
 143 32 23 is 112 2
 430 98 70 is 336
 215 49 35 is 168

Fourth.

245 53 38 is 192 $\frac{1}{4}$ by the Rule.
 123 27 19 is 94 $\frac{3}{4}$ } by the Tables.
 122 26 19 is 97 $\frac{1}{4}$ }
 245 53 38 is 192 $\frac{1}{2}$

The Medium is

490 106 76 is 384 $\frac{1}{2}$ by the Rule.
 123 27 19 is 94 3 } by the Tables.
 123 27 19 is 94 3
 123 26 19 is 97 3
 490 106 76 is 385
 245 53 38 is 192 2

Fifth.

Gs. B. Wt.
290 61 15 is 50 1 by the Rule.

Gs. B. Wt.
580 122 30 is 100 by the Rule.

150 31 8 is 27 3
150 31 8 is 27 3
150 31 7 is 22 2
130 29 7 is 21 3

580 122 30 is 99 3

290 61 15 is 50

The Medium is

Sixth.

45 73 21 is 75 $\frac{1}{2}$ by the Rule.

690 146 42 is 150 3 by the Rule.

140 30 9 is 32 2
140 30 9 is 32 2
140 30 8 is 27 1
135 28 8 is 29 1
135 28 8 is 29 1

690 146 42 is 150 3

345 73 21 is 75 1

The Medium is

Here follow farther *Instances*, whereby the *Ullage Contents* of Casks whose *Gauge* exceed the Limits of these *Tables* may be known, by only *doubling* the *Bung Diameter* and the *Wet Inch*, viz.

Seventh.

Gs. B. Wt.
345 48 29 is 220 by the Rule.

345 96 58 is 220 Ditto.

145 36 20 is 83 2
100 30 20 is 72 1
100 30 18 is 63 3

345 96 58 is 219 2

P R E F A C E.

Eighth.

Gs.	B.	Wt.			
390	49	21	is	156	by the Rule.
	98	42	is	156	by Ditto.
100	25	14	is	41 3	by the Tables.
100	25	11	is	41 3	
100	24	10	is	38 1	
90	24	10	is	34 2	
390	98	42	is	156 1	

Ninth.

400	50	31	is	265	by the Rule.
	190	62	is	265	by Ditto.
100	25	16	is	69	by the Tables.
100	25	16	is	69	
100	25	15	is	63 3	
100	25	15	is	63 3	
400	100	62	is	265 2	

Tenth.

455	55	27	is	221 1	by the Rule.
	110	54	is	221 1	by Ditto.
155	38	18	is	71 1	by the Tables.
150	38	18	is	69	
150	34	18	is	81	
455	110	54	is	221 1	

Eleventh.

Eleventh.

Gs.	B.	Wt.				
500	76	42	is	285	W	by the Rule
152	84	is	285			by Ditto.
100	31	18	is	61	1	
100	31	18	is	61	1	
100	30	16	is	54	1	
100	30	16	is	54	1	
100	30	16	is	54	1	
500	152	84	is	285	1	

Twelfth.

600	80	38	is	279	by the Rule.
160	76	is	279		by Ditto.
150	40	20	is	75	
150	40	20	is	75	
150	40	20	is	75	
150	40	16	is	54	
600	160	76	is	279	

To conclude, from a Retrospect of the Premises it appears, that these Tables exceed in Powers the most sanguine Expectations even of the Author himself. The Benefits which may arise therefrom to the Public, he trusts, will amply compensate his Labours. To the Liquor Trade at large, the Assistance and Expence of a Gauger, and even that of the Sliding Rule, are hereby, in a Manner, rendered unnecessary: The fair and industrious Trader may at Will know the true State of his Stock, and keep a watchful Check upon his Dependents: They may be a happy Means of preventing Numbers from Ruin, who before might have had some appearance, but (now have no *Excuse*) of wanting the Means of knowing the true State thereof. Even Excisemen themselves may derive Benefit therefrom in the saving of much Time and Head Work; and as perhaps They of all others can least afford the Purchase Money, the Author assures them they shall be put on the same Footing as Booksellers in the Abatement of the Price, on satisfactory Proof being given of their actually being such.

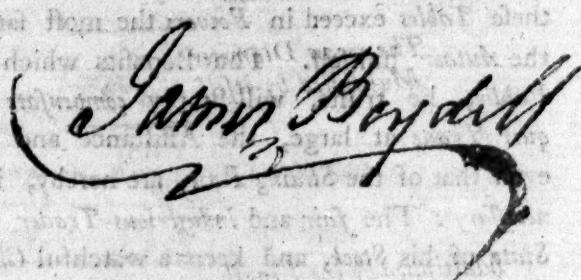
A D V E R T I S E M E N T.

PLEASE to observe, THIS WORK is duly
entered at Stationers' Hall.

And whereas his former *Work alluded to*, has been
piratically reprinted, the *Author* hereby promises a
Reward of FIFTY GUINEAS to any *Person* who shall
inform against any *Printer, Bookseller, or Others*, re-
printing, or any Ways *pirating* or *selling* any *spurious*
Copies of this *WORK*, or with a *forged Signature*
of the *Author's Hand Writing*, upon *legal Conviction*.

Witness my Hand,

Oct. 1784.



A Practical Method to gauge Casks by the Pen.

From Postlethwaite's Dictionary.

"Take the Difference of the Bung and Head Diameters of any Cask, and multiply that Difference by the Number which stands against the Name of the Cask given in the following Table; add the Product to the Head Diameter, so will the Sum be the Diameter of a Cylinder, (which, being of the same Length with the given Cask, will contain as much) square the Diameter thus found, and multiply that Square by the Length, and divide that Product by 294 for Wine Gallons.

The Multipliers for a Cask which is taken for Varieties.

The Middle Frustrum.	1 Of a Spheroid	.7	greatest Bulge next less next less to that next less to that
	2 Of a Par. Spind.	.63	
	3 Two Conoids	.56	
	4 Two Cones	.51	

E X A M P L E.

"Let a Cask be taken as the Middle Frustrum of a Spheroid, let the Bung Diameter be 32 Inches, the Head 26, and Length 50 Inches, what is the Contents in Wine Gallons, according to this Rule,

Bung's Diameter 32 Inches
Deduct for the Head 26

Difference 6
Multiplied by .7 as in the Table

Add the Head Diameter 26

The mean Diameter 30.2
Multiplied by itself 30.2

604
906

Multiplied by the Length 50

And divided by 294) 45602.00 (155 . 1 Wine Gallons

"More Examples of this Kind would be superfluous, for what is said of a Cask taken as the Middle Frustrum of a Spheroid, may be understood of the other three, only, instead of multiplying the Difference of the Diameters by .7, as above, you must use .63, .56, or .51, according to the Denomination of the Cask you are to gauge.

4. *Winnipeg People to Canso Cables for the War.*

1. *Chlorophytum comosum* (L.) Willd. (Liliaceae) (Fig. 1)

The 5 and 6-Gallon Casks, whose Bung Diameter dips in Inches, viz.

	17	16	15	14	13	12	11	10	9	8	7	6
17	5	—										
16	4	3	5	—								
15	4	2	4	3	5	—						
14	4	1	4	2	4	3	—					
13	4	—	4	1	4	2	4	3	5	—		
12	3	3	4	—	4	1	4	2	5	—		
11	3	2	3	3	4	—	4	1	4	2	5	—
10	3	—	3	1	3	2	4	1	4	2	5	—
9	2	2	2	3	3	—	3	2	3	4	3	5
8	2	1	2	2	3	3	—	3	1	4	3	—
7	1	3	2	—	2	1	2	2	3	2	3	5
6	1	1	1	2	1	3	2	—	2	1	3	—
5	1	—	1	1	1	2	1	3	2	1	3	4
4	—	3	—	3	1	—	1	1	2	1	3	3
3	—	2	—	2	—	3	—	3	1	—	1	2
2	—	1	—	1	—	1	—	1	—	2	—	3
1	—	0	—	0	—	0	—	0	—	0	—	0
	17	16	15	14	13	12	11	10	9	8	7	6
17	6	—										
16	5	3	6	—								
15	5	3	5	3	6	—						
14	5	2	5	3	6	—						
13	5	—	5	1	5	2	5	3	6	—		
12	4	3	5	—	5	1	5	2	5	3	6	—
11	4	1	4	2	4	3	5	—	5	1	5	6
10	3	3	4	—	4	1	4	3	5	2	5	—
9	3	1	3	2	3	3	4	—	4	1	5	3
8	2	3	3	—	3	1	3	2	4	1	5	6
7	2	1	2	2	2	3	3	—	4	1	5	2
6	1	3	2	—	2	1	2	2	3	1	3	4
5	1	1	1	2	1	3	2	—	2	1	3	2
4	1	—	1	—	1	1	1	2	1	2	1	4
3	—	2	—	3	—	3	1	—	1	1	2	3
2	—	1	—	2	—	2	—	2	—	3	1	1
1	—	0	—	0	—	0	—	0	—	1	—	2

The 7 and 8 Gallon Casks, whose Bung Diameter dips in Inches, viz.

The 9 and 10 Gallon Casks, whose Bung Diameter dips in Inches, viz.

	17	16	15	14	13	12	11	10	9	8	7	6
17	9	-										
16	8	3	9	-								
15	8	2	8	3	9	-						
14	8	-	8	2	8	3	-					
13	7	2	8	-	8	1	8	3	9	-		
12	7	-	7	1	8	-	8	1	9	8	-	
11	6	1	6	3	7	1	7	3	8	2	-	
10	5	2	6	-	6	2	7	2	8	1	2	
9	4	3	5	1	5	3	6	1	6	3	-	
8	4	1	4	2	4	3	5	2	6	2	2	
7	3	2	3	3	4	1	4	2	5	2	2	1
6	2	3	3	-	3	1	3	2	4	2	2	1
5	2	-	2	1	2	2	2	3	3	2	1	6
4	1	2	1	3	1	3	2	-	2	1	3	3
3	1	-	1	-	1	1	1	2	1	3	2	3
2	-	2	-	2	-	3	-	3	1	1	1	2
1	-	1	-	1	-	1	-	1	1	2	1	2
	18	17	16	15	14	13	12	11	10	9	8	7
18	10	-										
17	9	3	10	-								
16	9	2	9	3	10	-						
15	9	-	9	2	9	3	10	-				
14	8	2	9	-	9	1	9	3	10	-		
13	7	3	8	1	8	3	9	1	9	-		
12	7	1	7	3	8	1	8	2	9	1	9	-
11	6	2	7	-	7	2	8	1	9	3	10	-
10	5	3	6	1	6	2	7	3	8	2	10	-
9	5	-	5	2	5	3	6	1	7	1	9	2
8	4	1	4	2	5	-	5	2	6	1	8	3
7	3	2	3	3	4	-	4	2	5	1	7	1
6	2	3	3	-	3	1	3	2	4	2	5	3
5	2	-	2	1	2	2	3	3	2	3	4	1
4	1	1	1	2	1	3	2	1	2	3	2	1
3	-	3	1	-	1	1	1	2	1	3	2	1
2	-	2	-	2	-	2	-	3	-	3	1	2
1	-	1	-	1	-	1	-	1	-	1	2	1

The 11 and 12 Gallon Casks, whose Bung Diameter dips in Inches, viz.

	18	17	16	15	14	13	12	11	10	9	8	7
18	11	-										
17	10	3	11	-								
16	10	2	10	3	11	-						
15	10	-	10	1	10	3	11	-				
14	9	2	10	-	10	1	10	3	11	-		
13	8	3	9	1	9	3	10	1	10	3	11	-
12	8	-	8	2	9	-	9	2	10	1	10	
11	7	-	7	3	8	1	8	3	9	2	11	-
10	6	1	6	3	7	1	8	-	8	2	11	-
9	5	2	5	3	6	2	7	-	7	2	11	-
8	4	3	5	1	5	2	6	1	6	2	10	2
7	4	-	4	1	4	2	5	-	5	2	9	1
6	3	-	3	1	3	3	4	-	4	2	8	-
5	2	1	2	2	2	3	3	-	3	2	6	1
4	1	2	1	3	2	-	2	1	2	4	3	2
3	1	-	1	-	1	1	1	2	1	2	3	2
2	-	2	-	3	-	3	-	3	1	1	2	2
1	-	1	-	1	-	1	-	1	-	2	-	3

	18	17	16	15	14	13	12	11	10	9	8	7
18	12	-										
17	11	3	12	-								
16	11	1	11	3	12	-						
15	11	-	11	1	11	2	12	-				
14	10	-	10	3	11	-	11	2	12	-		
13	9	2	10	-	10	2	11	-	11	2	12	-
12	8	3	9	1	10	-	10	2	11	-	11	
11	7	3	8	2	9	-	9	2	10	-	11	
10	7	-	7	2	8	-	8	2	9	-	10	
9	6	-	6	2	7	-	7	2	8	-	9	
8	5	-	5	2	6	-	6	2	7	-	8	
7	4	1	4	2	5	-	5	2	6	-	9	
6	3	1	3	2	4	-	4	2	5	-	10	
5	2	2	2	3	3	-	3	2	4	-	7	
4	2	-	2	-	2	-	2	2	3	-	4	
3	1	-	1	1	1	2	1	2	2	-	3	
2	-	3	-	3	1	-	1	-	1	-	2	
1	-	1	-	1	-	2	-	2	-	2	-	3

The 13 and 14 Gallon Casks, whose Bung Diameter dips in Inches, viz.

	19	18	17	16	15	14	13	12	11	10	9	8
19	13	-										
18	12	3 13	-									
17	12	1 12	3 13	-								
16	12	- 12	1 12	3 13	-							
15	11	1 11	3 12	1 12	3 13	-						
14	10	2 11	- 11	3 12	1 12	3 13	-					
13	9	3 10	1 10	3 11	2 12	- 12	2 13	-				
12	8	3 9	2 10	- 10	2 11	2 12	- 12	2 13	-			
11	7	3 8	2 9	- 9	3 10	1 11	1 12	- 12	2 13	-		
10	7	- 7	2 8	- 8	3 9	2 10	- 11	- 11	3 12	2 13	-	
9	6	- 6	2 7	- 7	2 8	1 9	- 9	3 10	2 11	2 12	2 13	-
8	5	1 5	2 6	- 6	2 7	- 7	3 8	2 9	2 10	1 11	2 12	1 13
7	4	1 4	2 5	- 5	2 6	- 6	2 7	- 8	- 9	- 10	- 11	1 12
6	3	1 3	2 4	- 4	1 4	3 5	1 6	- 6	2 7	1 8	1 9	2 10
5	2	2 2	3 3	- 3	1 3	2 4	- 4	2 5	- 5	3 6	2 7	2 8
4	1	3 2	- 2	1 2	2 2	3 3	- 3	1 3	2 4	- 4	3 5	2 6
3	1	- 1	1 1	1 1	2 1	2 1	3 2	- 2	2 2	3 3	- 3	2 4
2	-	3	- 3	- 3	1	- 1	- 1	- 1	1	1	2	1
1	-	1	- 1	- 1	1	- 1	- 2	- 2	- 2	- 2	- 2	3
	20	19	18	17	16	15	14	13	12	11	10	9
20	14	-										
19	13	3 14	-									
18	13	1 13	3 14	-								
17	13	- 13	1 13	3 14	-							
16	12	1 12	3 13	1 13	3 14	-						
15	11	2 12	- 12	2 13	- 13	2 14	-					
14	10	2 11	1 12	- 12	2 13	- 13	2 14	-				
13	9	3 10	2 11	- 11	2 12	2 13	- 13	2 14	-			
12	9	- 9	2 10	- 10	3 11	2 12	1 13	- 13	2 14	-		
11	8	- 8	2 9	- 9	3 10	2 11	- 12	- 13	- 13	2 14	-	
10	7	- 7	2 8	- 8	3 9	2 10	- 11	- 11	2 12	3 13	2 14	-
9	6	- 6	2 7	- 7	2 8	- 9	- 9	- 9	2 10	2 11	2 12	1 13
8	5	- 5	2 6	- 6	2 7	- 7	2 8	2 9	- 10	- 11	- 12	1 13
7	4	1 4	2 5	- 5	1 6	- 6	2 7	- 7	2 8	2 9	2 10	2 11
6	3	2 3	3 4	- 4	1 4	2 5	- 5	2 6	2 7	- 8	- 9	- 10
5	2	2 2	3 3	- 3	1 3	2 4	- 4	2 5	- 5	2 6	- 7	- 8
4	1	3 2	- 2	- 2	1 2	2 3	- 3	2 4	- 4	2 5	- 6	- 7
3	1	- 1	1 1	2 1	1 2	1 3	2	- 2	2 2	3 3	- 3	2 3
2	-	3	- 3	- 3	1	- 1	- 1	- 1	1	1	2	1
1	-	1	- 1	- 1	1	- 1	- 2	- 2	- 2	- 2	- 3	1 3

The 15 and 15½ Gallon Casks, whose Bung Diameter dips in Inches, viz.

	20	19	18	17	16	15	14	13	12	11	10	9
20	15	-										
19	14	3	15	-								
18	14	1	14	3	15	-						
17	13	3	14	1	14	3	15	-				
16	13	-	13	3	14	1	14	3	15	-		
15	12	1	13	-	13	2	14	-	14	2	15	-
14	11	2	12	-	12	3	13	2	14	-	14	2
13	10	2	11	-	11	3	12	2	13	1	14	2
12	9	2	10	-	10	3	11	2	12	1	13	2
11	8	2	9	-	9	3	10	2	11	1	12	-
10	7	2	8	-	8	2	9	1	10	3	11	2
9	6	2	7	-	7	2	8	-	8	2	10	1
8	5	2	6	-	6	1	6	3	7	2	8	1
7	4	2	4	3	5	-	5	2	6	-	6	2
6	3	2	3	3	4	-	4	2	3	5	3	6
5	2	2	3	-	3	1	3	2	4	2	3	5
4	1	3	2	-	2	-	2	1	2	3	2	4
3	1	-	1	-	1	1	1	2	1	3	2	1
2	-	2	1	2	1	3	1	-	1	1	1	2
1	-	1	-	1	-	1	-	1	-	2	-	3

	20	19	18	17	16	15	14	13	12	11	10	9
20	15	3										
19	15	2	15	3								
18	15	-	15	2	15	3						
17	14	2	15	-	15	2	15	3				
16	13	3	14	1	15	-	15	2	15	3		
15	12	3	13	2	14	1	14	3	15	1	15	3
14	12	-	12	3	13	2	14	-	14	3	15	3
13	11	-	11	3	12	2	13	-	14	3	15	3
12	10	-	10	3	11	1	12	-	13	3	14	3
11	8	3	9	2	10	1	11	-	11	2	14	2
10	7	3	8	1	9	-	9	3	10	2	11	1
9	6	3	7	1	7	3	8	2	9	1	10	1
8	5	2	6	-	6	2	7	-	7	2	8	1
7	4	2	5	-	5	1	5	3	6	2	7	2
6	3	2	4	-	4	1	4	2	5	2	6	2
5	2	3	3	-	3	1	3	2	4	1	5	2
4	2	-	2	-	2	1	2	2	3	2	4	1
3	1	1	1	1	1	2	1	3	2	2	3	1
2	-	2	-	2	-	3	1	-	1	1	1	2
1	-	1	-	1	-	1	-	1	-	2	-	3

The 17 and 18 Gallon Casks, whose Bung Diameter dips in Inches, viz.

	21	20	19	18	17	16	15	14	13	12	11	10
21	17	-										
20	16	3 17	-									
19	16	1 16	3 17	-								
18	15	3 16	1 16	3 17	-							
17	15	- 15	2 16	- 16	3 17	-						
16	14	1 14	3 15	2 16	- 16	2 17	-					
15	13	1 14	- 14	3 15	1 16	- 16	2 17	-				
14	12	1 13	- 13	3 14	2 15	1 16	- 16	2 17	-			
13	11	1 12	- 12	2 13	2 14	1 15	- 15	3 16	2 17	-		
12	10	1 10	3 11	2 12	1 13	- 14	- 15	- 15	3 16	2 17	-	
11	9	- 9	2 10	1 11	- 12	- 12	3 13	2 14	2 15	2 16	2 17	-
10	8	- 8	2 9	- 9	3 10	2 11	2 12	1 13	1 14	1 15	1 16	2 17
9	6	3 7	2 8	- 8	2 9	- 10	- 10	3 11	3 12	3 14	- 15	1 16
8	5	3 6	1 6	3 7	1 8	- 8	2 9	1 10	- 11	1 12	1 13	2 15
7	4	3 5	- 5	2 6	- 6	2	7	- 7	3 8	2 9	2 10	2 11
6	3	3 4	- 4	2 4	3 5	- 5	2 6	1 7	- 7	2 8	2 9	2 10
5	2	3 3	- 3	1 3	2 4	- 4	1 4	3 5	1 5	3 6	2 7	1 8
4	2	- 2	1 2	1 2	2 2	3 3	- 3	2 3	3 4	1 4	3 5	1 6
3	1	1 1	2 1	2 1	3 1	1 3	2	- 2	2 2	2 3	3 3	- 3
2	-	3	- 3	- 3	1	- 1	- 1	1	1	1	1	3
1	-	1	- 1	- 1	1	- 2	- 2	2	- 2	- 2	2	- 3
	22	21	20	19	18	17	16	15	14	13	12	11
22	18	-										
21	17	3 18	-									
20	17	1 17	3 18	-								
19	16	3 17	1 17	3 18	-							
18	16	- 16	3 17	1 17	3 18	-						
17	15	1 16	- 16	2 17	1 17	3 18	-					
16	14	1 15	- 15	3 16	2 17	- 17	3 18	-				
15	13	1 14	- 14	3 15	1 16	1 17	- 17	3 18	-			
14	12	1 13	- 13	3 14	2 15	1 16	1 17	- 17	3 18	-		
13	11	1 12	- 12	2 13	2 14	1 15	- 16	- 16	3 17	2 18	-	
12	10	- 10	3 11	2 12	1 13	- 14	- 14	3 15	3 16	3 17	2 18	-
11	9	- 9	2 10	1 11	- 11	3 12	2 13	2 14	2 15	2 16	2 17	2 18
10	7	3 8	2 9	- 9	2 10	1 11	1 12	- 13	- 14	- 15	1 16	2 17
9	6	3 7	1 7	3 8	1 9	- 9	3 10	2 11	2 12	2 13	2 14	3 16
8	5	2 6	- 6	2 7	- 7	2 8	1 9	- 9	3 10	3 11	3 13	- 14
7	4	2 5	- 5	1 5	3 6	1 6	3 7	2 8	1 9	- 10	- 11	- 12
6	3	2 4	- 4	1 4	2 5	- 5	2 6	- 6	2 7	1 8	- 9	- 10
5	2	3 3	- 3	1 3	2 3	3 4	- 4	2 5	- 5	2 6	1 6	3 7
4	1	3 2	- 2	1 2	2 2	2 3	- 3	1 3	2 4	- 4	2 4	3 5
3	1	1 1	1 1	1 1	2 1	2 1	1 3	2	1 2	2 2	3 3	1 3
2	-	2	- 3	- 3	1	3 1	- 1	1	1	1	1	2 1
1	-	1	- 1	- 1	1	- 1	1	- 1	1	- 2	- 2	- 2

The 19 and 20 Gallon Casks, whose Bung Diameter dips in Inches, viz.

	22	21	20	19	18	17	16	15	14	13	12	11
22	19	-										
21	18	3 19	-									
20	18	1 18	3 19	-								
19	17	2 18	-	18	3 19	-						
18	17	-	17	2 18	-	18	3 19	-				
17	16	-	16	3 17	2 18	-	18	2 19	-			
16	15	-	15	3 16	2 17	2 18	-	18	2 19	-		
15	14	-	14	3 15	2 16	1 17	-	18	-	19	-	
14	13	-	13	3 14	2 15	1 16	-	17	-	17	3 18	2 19
13	11	3 12	-	2 13	1 14	-	15	-	15	3 16	3 17	2 18
12	10	2 11	2 12	-	13	-	13	2 14	2 15	2 16	2 17	2 18
11	9	2 10	-	10	3 11	2 12	1 13	1 14	1 15	-	16	1 17
10	8	2 9	-	9	2 10	1 10	3 11	-	3 12	2 13	2 14	3 16
9	7	1 7	2 8	1 8	3 9	2 10	1 11	-	12	-	13	-
8	6	-	6	2 7	-	7	2 8	1 8	3 9	2 10	1 11	1 12
7	5	-	5	1 5	2 6	-	6	2 7	-	7	3 8	2 9
6	4	-	4	1 4	2 4	3 5	1 5	2 6	2 7	-	7	2 8
5	3	-	3	3 3	2 3	3 4	-	4	1 4	3 5	1 5	3 6
4	2	-	2	1 2	2 2	3 3	-	3	1 3	2 3	3 4	-
3	1	1	1	2 1	2 1	1 2	1 3	2	-	2	1 2	2 3
2	-	3	1	-	1	-	1	-	1	-	1	1
1	-	1	-	1	-	1	-	1	-	2	-	2
	23	22	21	20	19	18	17	16	15	14	13	12
23	20	-										
22	19	3 20	-									
21	19	1 19	3 20	-								
20	18	2 19	1 19	3 20	-							
19	18	-	18	2 19	-	19	3 20	-				
18	17	-	17	3 18	2 19	-	19	3 20	-			
17	16	-	17	-	17	2 18	1 19	-	19	2 20	-	
16	15	-	16	-	16	2 17	2 18	-	19	2 20	-	
15	14	-	14	3 15	2 16	1 17	-	18	-	18	3 19	2 20
14	13	-	13	2 14	1 15	-	16	-	17	-	18	-
13	11	3 12	1 13	-	14	-	15	-	15	3 16	3 17	2 18
12	10	2 11	-	12	-	12	3 13	2 14	2 15	2 16	2 17	2 18
11	9	2 10	-	10	2 11	1 12	-	13	-	14	-	15
10	8	1 9	-	9	2 10	-	10	2 11	2 12	1 13	1 14	2 15
9	7	-	7	3 8	2 9	-	9	2 10	-	10	3 11	2 12
8	5	3 6	2 7	-	7	1 8	-	8	2 9	1 10	-	10
7	4	3 5	1 5	3 6	-	6	2 7	-	7	3 8	2 9	1 10
6	3	3 4	-	4	2 4	3 5	-	5	2 6	-	6	3 7
5	2	3 3	-	3	2 3	3 4	-	4	1 4	2 5	-	5
4	1	3 2	1 2	2 2	2 3	-	3	-	3	1 3	2 4	-
3	1	2 1	2 1	2 1	3 2	-	2	-	2	2 2	2 3	-
2	-	3	-	3 1	-	1	-	1	-	1 1	2 1	-
1	-	1	-	1	-	1	-	1	-	2	-	2

The 21 and 22 Gallon Casks, whose Bung Diameter dips in Inches, viz.

	23	22	21	20	19	18	17	16	15	14	13	12
23	21	-										
22	20	3 21	-									
21	20	1 20	3 21	-								
20	19	2 20	- 20	3 21	-							
19	19	- 19	2 20	- 20	3 21	-						
18	18	- 18	2 19	1 20	- 20	3 21	-					
17	17	- 17	2 18	2 19	1 20	- 20	2 21	-				
16	16	- 16	3 17	1 18	1 19	- 20	- 20	2 21	-			
15	14	3 15	2 16	1 17	- 18	- 19	- 18	3 20	2 21	-		
14	13	2 14	1 15	- 16	- 17	- 18	- 18	3 19	3 20	2 21	-	
13	12	1 13	- 13	3 14	2 15	2 16	2 17	2 18	2 19	2 20	2 21	-
12	11	- 11	2 12	2 13	1 14	1 15	- 16	- 17	- 18	1 19	2 20	2 21
11	10	- 10	2 11	1 14	3 12	2 13	2 14	2 15	2 16	3 18	- 19	2 20
10	8	3 9	1 9	3 10	2 11	- 12	- 13	- 14	- 15	- 16	1 17	2 19
9	7	2 8	- 8	2 9	1 10	- 10	2 11	1 12	- 13	1 14	2 16	- 17
8	6	1 6	3 7	1 7	3 8	2 9	- 9	3 10	2 11	1 12	2 13	3 15
7	5	- 5	2 6	- 6	2 6	3 7	1 8	- 9	- 9	3 10	2 11	2 13
6	4	- 4	2 4	3 5	- 5	2 6	- 6	2 7	- 7	3 8	2 9	2 10
5	3	- 3	2 3	3 4	- 4	- 4	2 5	- 5	2 6	- 6	2 7	1 8
4	2	- 2	1 2	2 2	3 3	- 3	- 3	2 4	- 4	1 4	3 4	3 5
3	1	2 1	2 1	3 1	3 2	- 2	- 2	1 2	2 2	3 3	1 3	3 3
2	- 3	1 1	- 1	- 1	- 1	- 1	- 1	- 1	1 1	2 1	1 2	1 3
1	- 1	- 1	- 1	- 1	- 1	- 1	- 2	- 2	- 2	- 2	- 2	- 2
	23	22	21	20	19	18	17	16	15	14	13	12
23	22	-										
22	21	3 22	-									
21	21	1 21	3 22	-								
20	20	2 21	- 21	3 22	-							
19	20	- 20	2 21	- 21	3 22	-						
18	19	- 19	2 20	2 21	- 21	3 22	-					
17	17	3 18	2 19	2 20	1 21	- 21	2 22	-				
16	16	2 17	2 18	1 19	- 20	- 20	3 21	2 22	-			
15	15	2 16	1 17	- 18	- 19	- 20	- 20	3 21	2 22	-		
14	14	1 15	- 16	- 16	3 17	3 18	3 19	3 20	2 21	2 22	-	
13	13	- 13	3 14	2 15	2 16	1 17	1 18	1 19	2 20	2 21	2 22	-
12	11	2 12	1 13	- 14	- 15	- 15	3 17	- 18	- 19	1 20	2 21	2 22
11	10	1 11	- 11	2 12	2 13	1 14	1 15	1 16	2 17	2 19	- 20	1 21
10	9	- 9	3 10	1 11	- 11	3 12	2 13	2 14	3 15	3 17	1 18	2 20
9	7	2 8	1 8	3 9	2 10	- 11	- 11	3 12	3 14	- 15	1 16	3 18
8	6	2 7	- 7	2 7	3 8	2 9	1 10	- 11	- 12	- 13	- 14	2 16
7	5	1 5	3 6	- 6	1 6	3 7	2 8	1 9	- 10	- 11	- 12	1 13
6	4	- 4	2 4	3 5	- 5	2 6	- 6	2 7	- 7	3 8	3 9	3 11
5	3	- 3	2 3	3 4	- 4	1 4	2 4	3 5	1 6	- 6	2 7	2 8
4	2	- 2	1 2	2 2	3 3	- 3	1 3	2 3	3 3	4 1	4 3	5 1
3	1	2 1	2 1	2 1	3 1	1 3	2 2	1 2	2 2	2 3	3 3	2 4
2	- 3	- 3	- 3	- 3	- 3	- 1	- 1	- 1	1 1	1 1	1 2	1 3
1	- 1	- 1	- 1	- 1	- 1	- 1	- 2	- 2	- 2	- 2	- 2	- 2

The 23 and 24 Gallon Casks, whose Bung Diameter dips in Inches, viz.

	23	22	21	20	19	18	17	16	15	14	13	12
23	23	—										
22	22	3 23	—									
21	22	— 22	3 23	—								
20	21	2 22	— 22	2 23	—							
19	20	3 21	1 22	— 22	2 23	—						
18	19	3 20	2 21	1 22	— 22	2 23	—					
17	18	2 19	2 20	1 21	— 22	— 22	2 23	—				
16	17	2 18	1 19	— 20	— 21	— 21	3 22	2 23	—			
15	16	— 17	— 18	— 18	3 20	— 20	3 21	3 22	2 23	—		
14	15	— 15	3 16	2 17	2 18	2 19	2 20	3 21	2 22	2 23	—	
13	13	2 14	1 15	— 16	— 17	— 18	— 19	1 20	1 21	2 22	2 23	—
12	12	— 12	3 13	3 14	2 15	2 16	2 17	2 18	3 20	— 21	1 22	1 23
11	10	3 11	2 12	— 13	— 14	— 15	— 16	— 17	— 18	1 19	3 21	— 22
10	9	2 10	— 10	3 11	2 12	1 13	1 14	1 15	1 16	2 17	3 19	2 21
9	8	— 8	2 9	— 10	— 10	3 11	2 12	1 13	2 14	2 15	3 17	2 18
8	7	— 7	1 7	3 8	1 9	— 9	3 10	2 11	2 12	2 13	3 15	1 16
7	5	2 6	— 6	2 7	— 7	2 8	— 8	3 9	2 10	2 11	2 12	3 14
6	4	1 4	3 5	— 5	2 5	3 6	1 7	— 7	2 8	1 9	1 10	1 11
5	3	1 3	1 3	3 4	1 4	2 4	3 5	1 5	3 6	1 7	— 7	3 8
4	2	1 2	2 2	3 3	— 3	— 3	1 3	2 4	— 4	2 5	— 5	2 6
3	1	2 1	2 1	3 2	— 2	— 2	1 2	1 2	2 2	3 3	1 3	2 4
2	—	3 1	— 1	— 1	— 1	— 1	— 1	— 1	— 1	— 1	— 1	— 2
1	—	1	— 1	— 1	— 1	— 2	— 2	— 2	— 2	— 2	— 2	— 2
	23	22	21	20	19	18	17	16	15	14	13	12
23	24	—										
22	23	3 24	—									
21	23	— 23	3 24	—								
20	22	2 23	— 23	3 24	—							
19	21	2 22	1 23	— 23	2 24	—						
18	20	2 21	2 22	1 23	— 23	2 24	—					
17	19	1 20	1 21	1 22	— 22	3 23	2 24	—				
16	18	1 19	— 20	— 21	— 22	— 22	3 23	2 24	—			
15	17	— 17	3 18	3 19	2 20	3 21	3 22	2 23	2 24	—		
14	15	2 16	2 17	1 18	1 19	1 20	2 21	2 22	2 23	2 24	—	
13	14	— 15	— 15	3 16	3 18	— 19	— 20	— 21	1 22	1 23	2 24	—
12	12	2 13	2 14	1 15	1 16	1 17	1 18	2 19	2 21	— 22	1 23	1 24
11	11	1 12	— 12	2 13	2 14	2 15	2 16	3 18	— 19	1 20	2 22	— 23
10	9	3 10	2 11	1 12	— 12	3 13	3 14	3 16	— 17	1 18	3 20	1 21
9	8	1 9	— 9	2 10	2 11	1 12	— 13	— 14	— 15	1 16	2 18	1 19
8	7	— 7	2 8	— 8	2 9	1 10	1 11	— 12	— 13	— 14	1 15	3 17
7	5	3 6	1 6	3 7	1 7	2 8	1 9	— 10	— 10	3 12	— 13	1 14
6	4	2 4	3 5	1 5	2 5	3 6	2 7	1 8	— 8	2 9	2 10	3 12
5	3	1 3	3 4	— 4	1 4	2 5	— 5	2 6	— 6	2 7	1 8	1 9
4	2	1 2	2 2	3 3	— 3	1 3	2 4	— 4	1 4	3 5	1 5	3 6
3	1	2 1	3 1	3 1	3 1	— 2	1 2	1 2	2 3	— 3	1 3	3 4
2	—	3 1	— 3 1	— 1	— 1	— 1	— 1	— 1	— 1	— 2	— 2	— 2
1	—	1	— 1	— 1	— 1	— 2	— 2	— 2	— 2	— 2	— 2	— 2

{ 11 }

The 25 and 26 Gallon Casks, whose Bung Diameter dips in Inches, viz.

	24	23	22	21	20	19	18	17	16	15	14	13
24	25	-										
23	24	3 25	-									
22	24	1 24	3 25	-								
21	23	2 24	- 24	3 25	-							
20	22	3 23	1 24	- 24	3 25	-						
19	21	3 22	2 23	1 24	- 24	2 25	-					
18	20	2 21	2 22	1 23	1 24	- 24	2 25	-				
17	19	2 20	1 21	- 22	- 23	- 23	3 24	2 25	-			
16	18	- 19	- 19	3 20	3 21	3 23	- 23	3 24	2 25	-		
15	16	3 17	2 18	2 19	2 20	2 21	2 22	3 23	2 24	2 25	1 25	-
14	15	1 16	1 17	- 18	- 19	- 20	- 21	1 22	2 23	2 24	1 24	1 25
13	13	3 14	3 15	2 16	2 17	2 18	2 19	3 20	3 22	- 23	3 23	1 24
12	12	2 13	1 14	- 15	- 15	3 17	- 18	4 19	1 20	2 21	- 21	2 23
11	11	1 11	3 12	2 13	1 14	- 15	1 16	1 17	2 18	2 20	- 19	2 21
10	9	2 10	1 11	- 11	3 12	2 13	1 14	1 15	2 16	2 18	- 19	1 19
9	8	1 8	3 9	2 10	- 11	- 11	2 12	2 13	2 14	2 15	3 17	1 19
8	6	3 7	1 8	- 8	1 9	- 9	3 10	2 11	2 12	2 13	2 14	3 16
7	5	2 6	- 6	2 7	- 7	2 8	- 8	3 9	2 10	1 11	1 12	2 13
6	4	1 4	3 5	- 5	2 5	3 6	1 7	- 7	2 8	1 9	- 10	2 11
5	3	1 3	2 3	3 4	1 4	2 4	3 5	1 5	3 6	1 6	3 7	2 8
4	2	1 2	2 2	2 2	3 3	1 3	2 2	1 2	4 2	3 3	1 3	2 4
3	1	2 1	2 1	3 1	3 1	2 1	1 1	1 1	1 1	2 1	1 2	2 2
2	-	3 -	3 -	3 1	1 1	1 1	1 1	1 1	2 -	2 -	2 -	2 -
1	-	1 -	1 -	1 -	1 -	1 -	1 -	1 -	2 -	2 -	2 -	2 -
	24	23	22	21	20	19	18	17	16	15	14	13
24	26	-										
23	25	3 26	-									
22	25	1 25	3 26	-								
21	24	2 25	- 25	3 26	-							
20	23	3 24	1 25	- 25	3 26	-						
19	22	2 23	2 24	1 25	- 25	2 26	-					
18	21	1 22	1 23	1 24	- 24	3 25	2 26	-				
17	20	- 21	- 22	- 23	- 24	- 24	3 25	2 26	-			
16	18	3 19	3 20	3 21	2 22	3 23	3 24	2 25	2 26	-		
15	17	1 18	1 19	1 20	1 21	1 22	2 23	2 24	2 25	2 26	-	
14	16	- 16	3 17	3 18	3 19	3 21	- 22	- 23	2 24	1 25	1 26	-
13	14	2 15	1 16	1 17	1 18	1 19	1 20	2 21	3 23	- 24	1 25	1 26
12	13	- 13	3 14	2 15	2 16	2 17	2 18	3 20	- 21	1 22	3 24	- 25
11	11	2 12	1 13	- 13	3 14	2 15	3 16	3 18	- 19	1 20	3 22	1 24
10	9	3 10	2 11	2 12	1 13	- 13	3 15	- 16	- 17	1 18	3 20	2 22
9	8	2 9	- 9	3 10	2 11	2 12	- 13	- 14	- 15	- 16	2 18	- 19
8	7	1 7	2 8	- 8	2 9	2 10	1 11	- 12	- 13	- 14	- 15	2 17
7	5	3 6	1 6	3 7	1 7	3 8	2 9	1 9	3 10	3 11	3 13	- 14
6	4	2 5	- 5	1 5	3 6	- 6	2 7	1 7	3 8	2 9	- 8	2 11
5	3	2 3	2 4	- 4	1 4	3 5	1 5	1 6	- 6	2 7	- 8	2 10
4	2	1 2	2 2	3 3	- 3	1 3	2 2	1 2	2 3	3 3	1 3	2 4
3	1	2 1	2 1	3 1	3 1	2 1	1 1	1 1	2 2	1 2	1 3	2 2
2	-	3 -	3 1	1 1	1 1	1 1	1 1	1 1	2 -	2 -	2 -	2 -
1	-	1 -	1 -	1 -	1 -	1 -	1 -	1 -	2 -	2 -	2 -	2 -

The $27\frac{1}{2}$ Gallon Cask, whose Bung Diameter dips in Inches, viz.

	24	23	22	21	20	19	18	17	16	15	14	13
24	27	2										
23	27	1 27	2									
22	26	2 27	1 27	2								
21	25	3 26	2 27	- 27	2							
20	25	- 25	3 26	2 27	- 27	2						
19	23	3 24	3 25	2 26	2 27	- 27	2					
18	22	2 23	3 24	2 25	2 26	1 27	- 27	2				
17	21	1 22	1 23	1 24	1 25	1 26	1 27	- 27	2			
16	20	- 21	- 21	3 23	- 24	- 25	- 26	- 27	- 27	2		
15	18	2 19	1 20	1 21	2 22	2 23	3 25	- 26	- 27	- 27	2	
14	16	3 17	3 18	3 19	3 21	- 22	- 23	2 24	3 25	3 26	3 27	2
13	15	1 16	1 17	- 18	1 19	1 20	2 21	3 23	- 24	2 25	2 26	3 27
12	13	3 14	2 15	1 16	2 17	2 18	2 20	- 21	1 22	2 24	- 25	2 26
11	12	- 13	- 13	3 14	2 15	2 16	2 17	3 19	1 20	2 22	- 23	3 25
10	10	2 11	2 12	- 13	- 13	3 14	2 15	3 17	- 18	1 19	3 21	2 23
9	9	- 9	2 10	1 11	- 12	- 12	3 13	3 14	3 16	- 17	2 19	- 21
8	7	2 8	- 8	3 9	- 10	- 10	3 11	2 12	2 13	3 15	- 16	1 18
7	6	1 6	2 7	- 7	2 8	- 8	3 9	2 10	2 11	1 12	2 13	3 15
6	4	3 5	- 5	2 6	- 6	2 7	- 7	2 8	- 9	- 10	- 11	- 12
5	3	2 3	2 4	- 4	2 5	- 5	1 5	3 6	1 6	3 7	2 8	2 9
4	2	2 2	2 2	3 3	- 3	1 3	3 4	- 4	2 5	- 5	2 6	- 6
3	1	2 1	3 1	3 2	- 2	- 2	1 2	2 2	3 3	- 3	1 3	3 4
2	-	3 1	- 3 1	- 1	- 1	- 1	1 1	2 1	2 1	3 1	2 2	- 1
1	-	1	- 1	- 1	- 1	- 1	1 1	- 2	- 2	1 2	- 2	2

The 29 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	25	24	23	22	21	20	19	18	17	16	15	14
25	29	-										
24	3 29	-										
23	1 28	3 29	-									
22	1 28	- 28	3 29	-								
21	2 27	1 28	- 28	2 29	-							
20	2 26	1 27	- 28	2 28	2 29	-						
19	1 25	- 26	- 27	- 27	3 28	2 29	-					
18	- 23	3 25	- 26	- 27	- 27	3 28	2 29	-				
17	2 22	2 23	2 24	2 25	3 26	3 27	2 28	2 29	-			
16	2 21	- 22	- 23	- 24	1 25	2 26	2 27	2 28	2 29	-		
15	2 19	2 20	2 21	2 22	2 23	3 25	- 26	1 27	1 28	1 29	-	
14	3 17	3 18	3 19	3 21	- 22	- 23	1 24	3 26	- 27	1 28	1 29	-
13	1 16	- 17	- 18	- 19	1 20	1 21	2 23	- 24	1 25	3 27	- 28	1
12	3 14	2 15	1 16	1 17	1 18	2 19	2 21	- 22	1 23	3 25	2 27	-
11	1 12	3 13	2 14	2 15	1 16	1 17	2 18	3 20	1 21	2 23	1 25	-
10	2 11	1 11	3 12	3 13	2 14	2 15	2 16	2 18	- 19	1 21	- 22	3
9	- 9	2 10	- 11	- 11	2 12	2 13	2 14	2 15	2 16	3 18	2 20	1
8	2 8	- 8	2 9	1 9	3 10	2 11	1 12	1 13	1 14	2 15	3 17	2
7	- 6	2 7	- 7	1 8	- 8	2 9	1 10	1 11	- 12	- 13	1 14	2
6	4 3	5 - 5	2 5	3 6	1 6	3 7	1 8	- 8	2 9	2 10	2 11	2
5	3 2	3 3	4 - 4	1 4	2 5	1 5	2 6	- 6	2 7	3 8	- 8	3
4	2 2	2 2	2 2	3 3	- 3	1 3	2 4	- 4	1 4	3 5	- 5	3
3	1 2	1 3	1 3	2 - 2	- 2	- 2	1 2	2 2	3 3	- 3	2 4	-
2	- 3	- 3	1 1	- 1	- 1	1 1	1 1	1 2	1 2	1 3	2 2	- 2
1	- 1	- 1	1 1	- 1	- 1	1 1	- 1	1 2	- 2	1 2	2 2	- 2

The 30 Gallon Cask, whose Bung Diameter dips in Inches, viz:

	26	25	24	23	22	21	20	19	18	17	16	15
26	30	-										
25	29	3 30	-									
24	29	1 29	3 30	-								
23	28	2 29	- 29	3 30	-							
22	27	3 28	1 29	- 29	3 30	-						
21	26	3 27	2 28	1 29	- 29	2 30	-					
20	25	1 26	1 27	1 28	- 29	- 29	2 30	-				
19	24	- 25	- 26	- 27	- 28	- 28	3 29	2 30	-			
18	22	3 23	3 24	3 25	3 26	3 27	3 28	3 29	2 30	-		
17	21	1 22	1 23	1 24	1 25	1 26	2 27	3 28	2 29	2 30	-	
16	19	3 20	3 21	3 22	3 24	- 25	- 26	1 27	2 28	2 29	2 30	-
15	18	1 19	- 20	1 21	1 22	1 23	2 24	2 26	- 27	1 28	1 29	1 30
14	16	2 17	2 18	2 19	2 20	2 21	3 23	- 24	1 25	2 27	- 28	1 29
13	15	- 15	3 16	2 17	2 18	3 20	- 21	- 22	1 23	3 25	- 26	2 28
12	13	2 14	1 15	- 15	3 16	3 18	- 19	- 20	2 21	3 23	- 24	2 26
11	11	3 12	2 13	1 14	- 15	- 15	3 17	- 18	1 19	2 21	- 22	2 24
10	10	1 11	- 11	2 12	1 13	1 14	1 15	- 16	- 17	1 18	2 20	- 21
9	8	3 9	1 9	3 10	2 11	1 12	- 13	- 14	- 15	- 16	- 17	2 19
8	7	1 7	3 8	1 8	3 9	2 10	- 10	3 11	3 12	3 13	3 15	- 16
7	6	- 6	1 6	3 7	- 7	3 8	1 8	3 9	2 10	2 11	2 12	2 13
6	4	2 5	- 5	1 5	2 6	- 6	2 7	- 7	2 8	1 9	- 9	3 10
5	3	1 3	3 3	3 4	- 4	2 5	- 5	2 5	3 6	1 6	3 7	2 8
4	2	1 2	2 2	3 2	3 3	- 3	1 3	2 4	- 4	1 4	3 5	1 5
3	1	2 1	2 1	3 1	3 2	- 2	1 2	- 2	2 2	3 2	3 3	1 3
2	-	3 -	3 -	3 -	1 -	1 -	1 -	1 1	1 1	1 1	2 1	2 2
1	-	1 -	1 -	1 -	1 -	1 -	1 -	2 2	2 2	2 2	2 2	2 2

The $3\frac{1}{2}$ Gallon Cask, whose Bung Diameter dips in Inches, viz.

	26	25	24	23	22	21	20	19	18	17	16	15
26	31	2										
25	31	1 31	2									
24	30	2 31	1 31	2								
23	29	3 30	2 31	1 31	2							
22	29	- 29	3 30	2 31	1 31	- 31	2					
21	28	- 28	3 29	2 30	1 31	- 31	2					
20	26	2 27	2 28	2 29	2 30	1 31	- 31	2				
19	25	1 26	1 27	1 28	1 29	1 30	- 31	2				
18	24	- 25	- 25	3 27	- 28	- 29	1 30	- 31	- 31	2		
17	22	1 23	1 24	2 25	2 26	3 28	- 29	- 30	- 31	- 31	2	
16	20	3 21	3 22	3 24	- 25	- 26	1 27	2 28	3 30	- 31	- 31	2
15	19	1 20	- 21	- 22	1 23	1 24	2 25	3 27	1 28	2 29	3 30	3 31
14	17	2 18	1 19	1 20	2 21	2 22	3 24	- 25	2 26	3 28	1 29	2 30
13	15	3 16	2 17	2 18	2 19	2 20	3 22	- 23	2 25	- 26	1 28	- 29
12	14	- 15	- 15	3 16	2 17	2 18	3 20	- 21	1 22	3 24	1 25	3 27
11	12	1 13	1 13	3 14	3 15	3 16	2 17	3 19	- 20	2 22	- 23	2 25
10	10	3 11	2 12	- 12	3 14	- 15	- 15	3 16	3 18	- 19	2 21	- 23
9	9	1 9	3 10	1 11	- 11	3 12	3 13	3 14	3 15	3 16	2 18	1 20
8	7	2 8	- 8	2 9	1 9	3 10	2 11	1 12	1 13	2 14	3 15	3 17
7	6	1 6	2 7	- 7	2 8	- 8	3 9	1 10	- 11	- 12	- 13	- 14
6	4	3 5	1 5	2 5	3 6	1 6	3 7	1 8	- 8	3 9	2 10	1 11
5	3	2 3	3 4	1 4	1 4	3 5	1 5	2 6	- 6	2 7	- 7	3 8
4	2	2 2	3 2	3 3	- 3	1 3	2 3	3 4	1 4	2 5	- 5	2 6
3	1	2 1	3 2	- 2	- 2	1 2	1 2	1 2	2 2	3 3	- 3	2 3
2	-	3 -	3 1	- 1	- 1	1 1	1 1	1 1	1 1	2 1	3 2	- 2
1	-	1 -	1 -	1 -	1 -	1 -	1 -	2 -	2 -	2 -	2 -	2 -

The 33 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	26	25	24	23	22	21	20	19	18	17	16	15
26	33	-										
25	32	3 33	-									
24	34	- 32	3 33	-								
23	31	1 32	- 32	3 33	-							
22	30	1 31	1 32	- 32	3 33	-						
21	29	1 30	1 31	- 31	3 32	2 33	-					
20	27	3 28	3 30	- 30	3 31	3 32	2 33	-				
19	26	2 27	2 28	2 29	3 30	3 31	2 32	2 33	-			
18	25	- 26	- 27	- 28	1 29	2 30	2 31	2 32	2 33	-		
17	23	2 24	2 25	2 26	3 28	- 29	1 30	2 31	2 32	2 33	-	
16	21	3 22	3 24	- 25	- 26	1 27	2 29	- 30	1 31	1 32	2 33	-
15	20	- 21	- 22	- 23	1 24	2 25	3 27	- 28	2 30	- 31	- 32	1 33
14	18	1 19	1 20	1 21	2 22	2 23	3 25	1 26	2 28	- 29	3 31	- 32
13	16	2 17	2 18	1 19	2 20	2 21	3 23	1 24	2 26	- 27	2 29	1 30
12	14	3 15	2 16	2 17	2 18	2 19	3 21	- 22	1 23	3 25	2 27	- 29
11	13	- 13	3 14	2 15	2 16	2 17	2 18	2 20	- 21	2 23	- 24	3 26
10	11	1 12	- 12	3 13	2 14	2 15	2 16	2 17	2 19	- 20	2 22	- 24
9	9	2 10	1 10	3 11	2 12	1 13	1 14	1 15	1 16	2 17	3 19	1 21
8	8	- 8	2 9	- 9	1 10	1 11	1 12	3 13	- 14	- 15	1 16	2 18
7	6	2 6	3 7	1 7	3 8	2 9	- 9	3 10	2 11	2 12	2 13	2 15
6	5	1 5	2 5	3 6	- 6	3 7	- 7	3 8	1 9	1 9	3 10	3 11
5	3	3 4	- 4	1 4	2 5	7 5	2 5	3 6	1 6	3 7	2 8	1 9
4	2	2 2	3 3	- 3	- 3	2 3	3 4	- 4	1 4	3 5	1 6	- 6
3	1	1 3	1 3	2	- 2	1 2	1 2	2 2	2 3	- 3	1 3	2 4
2	-	3	- 3	1	- 1	- 1	1	1	1	1	3	2
1	-	1	- 1	- 1	- 1	- 1	- 1	- 2	- 2	- 2	- 2	- 3

The 34 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	27	26	25	24	23	22	21	20	19	18	17	16
27	34	-										
26	33	3 34	-									
25	33	-	33	3 34	-							
24	32	1 33	-	33	3 34	-						
23	31	2 32	1 33	-	33	3 34	-					
22	30	1 31	1 32	-	33	3 34	-					
21	29	-	30	-	31	-	32	3 33	3 34	-		
20	27	-	28	3 29	3 30	3 31	3 32	3 33	2 34	-		
19	26	1 27	1 28	1 29	2 30	2 31	3 32	2 33	2 34	-		
18	24	3 25	3 26	3 28	-	29	1 30	1 31	2 32	2 33	2 34	-
17	23	-	24	1 25	1 26	2 27	2 28	3 30	-	31	1 32	2 33
16	21	2 22	2 23	2 24	3 26	-	27	-	28	1 29	3 31	-
15	19	2 20	3 21	3 22	3 24	-	25	1 26	2 27	3 29	1 30	3 32
14	17	3 18	3 19	3 21	-	22	-	23	1 24	2 26	-	27
13	16	1 17	-	17	3 18	3 20	-	21	-	22	2 23	3 25
12	14	2 15	1 16	1 17	-	18	-	19	-	20	1 21	3 23
11	12	2 13	1 14	1 15	-	16	-	17	-	18	1 19	2 22
10	11	-	11	2 12	1 13	-	13	3 14	3 16	-	17	-
9	9	1 9	3 10	2 11	1 11	3 12	3 13	2 14	3 15	3 17	-	18
8	7	3 8	1 8	3 9	1 10	-	10	2 11	2 12	1 13	1 14	2 15
7	6	1 6	3 7	-	7	2 8	-	8	3 9	1 10	-	10
6	5	-	5	1 5	3 6	-	6	2	7	1 8	-	8
5	3	3 3	3 4	1 4	2	4	3	5	1 5	2 6	-	6
4	2	2 2	2 3	-	3	-	3	1	3	2 3	1 4	2 5
3	1	3 1	3 1	3 2	-	2	-	2	1	2 2	3 3	-
2	-	3	-	3 1	-	1	-	1	1	1	1	3 2
1	-	1	-	1	-	1	-	1	-	2	-	2

The 35 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	27	26	25	24	23	22	21	20	19	18	17	16
27	35	-										
26	34	3 35	-									
25	34	- 34	3 35	-								
24	33	1 34	- 34	3 35	-							
23	32	1 33	- 34	- 34	3 35	-						
22	31	1 32	1 33	- 33	3 34	3 35	-					
21	29	3 31	- 32	- 32	3 33	3 34	2 35	-				
20	28	2 29	2 30	2 31	3 32	3 33	3 34	2 35	-			
19	27	- 28	- 29	- 30	1 31	2 32	2 33	2 34	2 35	-		
18	25	2 26	2 27	3 28	3 30	- 31	1 32	2 33	2 34	2 35	-	
17	23	3 24	3 26	- 27	1 28	1 29	2 31	- 32	1 33	1 34	1 35	-
16	22	- 23	- 24	1 25	1 26	2 27	3 29	1 30	3 32	- 33	1 34	1 35
15	20	1 21	1 22	1 23	2 24	3 26	- 27	1 28	3 30	1 31	3 33	- 34
14	18	1 19	1 20	2 21	2 22	3 24	- 25	1 26	3 28	1 29	3 31	2 33
13	16	3 17	2 18	2 19	2 20	2 21	3 23	- 24	2 26	- 27	3 29	1 31
12	14	3 15	3 16	2 17	2 18	2 19	2 20	3 22	1 23	3 25	1 27	- 28
11	13	- 13	3 14	2 15	1 16	2 17	2 18	2 19	3 21	1 22	3 24	2 26
10	11	1 12	- 12	3 13	2 14	1 15	1 16	2 17	2 18	3 20	- 21	3 23
9	9	2 10	- 10	3 11	2 12	1 13	1 14	- 15	1 16	- 17	2 18	3 20
8	8	- 8	2 9	- 9	2 10	1 11	- 11	3 12	3 13	3 15	- 16	- 17
7	6	2 7	- 7	1 7	3 8	1 9	- 9	3 10	1 11	1 12	1 13	1 14
6	5	- 5	2 5	3 6	1 6	2 7	- 7	2 8	- 8	3 9	3 10	2 11
5	3	3 4	- 4	1 4	2 4	3 5	1 5	3 6	1 6	3 7	1 8	- 8
4	2	2 2	3 3	- 3	- 3	1 3	3 4	- 4	1 4	3 5	1 5	3 6
3	1	3 1	3 2	- 2	- 1	2 1	2 1	2 2	3 3	- 3	1 3	2 3
2	-	3 -	3 1	- 1	- 1	- 1	- 1	1 2	1 2	1 3	2 2	- 2
1	-	1 -	1 -	1 -	1 -	1 -	1 -	1 -	2 -	2 -	2 -	2 -

The 36 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	27	26	25	24	23	22	21	20	19	18	17	16
27	36	-										
26	35	336	-									
25	35	-35	336	-								
24	34	135	-35	336	-							
23	33	134	-35	-35	336	-						
22	32	133	134	-34	335	336	-					
21	30	532	-33	-33	334	335	236	-				
20	29	130	231	232	333	234	335	236	-			
19	27	328	329	-331	132	233	234	235	236	-		
18	26	127	228	229	231	-32	133	134	235	236	-	
17	24	225	226	328	-29	-30	232	-33	134	135	136	-
16	22	323	325	-26	-27	128	330	-31	233	-34	-35	136
15	20	321	323	-24	125	226	328	-29	231	-32	334	-35
14	19	-19	321	-22	-23	224	326	-27	229	-30	232	234
13	17	-18	-19	-20	-21	122	223	325	126	328	230	-32
12	15	116	117	-18	-19	-20	121	223	-24	226	-27	329
11	13	114	115	-15	317	-18	-19	-20	121	323	225	127
10	11	212	113	-13	314	315	316	318	-19	120	322	124
9	9	310	111	-11	312	213	214	215	216	318	-19	121
8	8	18	29	19	310	211	112	-13	-14	-15	116	218
7	6	37	17	28	-8	29	110	-10	211	212	213	214
6	5	15	26	-6	26	37	17	38	19	310	311	3
5	3	34	-4	24	35	-5	26	-6	26	7	28	-9
4	2	32	33	-3	13	23	33	4	14	35	16	-9
3	1	31	32	-2	-2	12	22	2	33	-3	13	24
2	-	31	-1	-1	-1	-1	-1	-1	21	13	-2	-2
1	-	1	-1	-1	-1	-1	-1	-1	22	-2	-2	3

The 37 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	27	26	25	24	23	22	21	20	19	18	17	16
27	37	-										
26	36	3	37	-								
25	36	-	36	3	37	-						
24	35	1	36	-	36	3	37	-				
23	34	1	35	-	35	3	36	3	37	-		
22	33	-	34	-	35	3	35	-				
21	31	3	32	3	33	-	34	3	35	2	37	-
20	30	-	31	1	32	1	33	2	34	2	35	-
19	28	2	29	3	30	3	32	-	33	1	34	2
18	27	-	28	-	29	1	30	1	31	3	33	-
17	25	-	26	1	27	2	28	3	30	-	31	1
16	23	1	24	1	25	2	26	3	28	2	30	-
15	21	1	22	2	23	2	24	3	26	-	28	1
14	19	2	20	2	21	2	22	3	24	-	25	1
13	17	2	18	2	19	2	20	2	21	3	23	-
12	15	3	16	2	17	2	18	-	19	2	20	2
11	13	3	14	2	15	2	16	1	17	2	18	3
10	12	-	12	-	13	2	14	-	15	-	16	1
9	10	-	10	3	11	2	12	1	13	3	14	1
8	8	2	8	3	9	2	10	1	10	3	11	2
7	6	3	7	1	7	3	8	1	8	3	9	1
6	5	1	5	3	6	1	6	3	7	2	10	1
5	4	-	4	-	4	2	5	-	5	1	6	1
4	2	3	3	-	3	-	3	1	3	4	2	2
3	1	3	2	-	2	-	2	1	2	2	3	1
2	1	-	1	-	1	-	1	1	1	1	2	1
1	-	1	-	1	-	1	-	1	1	1	2	1

The 38 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	28	27	26	25	24	23	22	21	20	19	18	17
28	38	-										
27	37	38	-									
26	37	-	38	-								
25	36	1	37	-	37	38	-					
24	35	1	36	1	37	37	2	38	-			
23	34	-	35	-	36	36	3	37	2	38	-	
22	32	334	-	35	-	35	3	36	3	37	2	38
21	31	1	32	2	33	3	34	3	35	1	36	2
20	29	3	30	3	32	-	33	1	34	2	35	2
19	28	1	29	1	30	2	31	2	33	-	34	1
18	26	2	27	3	28	3	30	-	31	1	32	3
17	24	3	25	3	27	-	28	1	29	2	30	2
16	22	3	24	-	25	-	26	1	27	2	29	3
15	20	3	21	3	23	-	24	1	25	2	26	2
14	19	-	20	-	21	-	22	-	23	2	24	2
13	17	1	18	-	19	-	20	-	21	1	22	1
12	15	1	16	1	17	-	18	-	19	-	20	2
11	13	1	14	-	15	-	16	-	17	3	19	3
10	11	2	12	1	13	-	13	3	14	2	15	3
9	9	3	10	1	11	-	11	3	12	2	13	3
8	8	1	8	3	9	-	9	3	10	2	11	3
7	6	3	7	-	7	2	8	-	8	2	9	2
6	5	-	5	2	5	3	6	2	6	3	7	2
5	3	3	4	-	4	1	4	3	5	1	5	2
4	2	3	2	3	3	-	3	1	2	3	4	1
3	1	3	1	3	2	-	2	1	2	2	3	2
2	-	3	1	-	1	-	1	-	1	2	2	-
1	-	1	-	1	-	1	-	1	-	2	-	2

The 39 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	28	27	26	25	24	23	22	21	20	19	18	17
28	39	-	-	-	-	-	-	-	-	-	-	-
27	38	3 39	-	-	-	-	-	-	-	-	-	-
26	38	- 38	3 39	-	-	-	-	-	-	-	-	-
25	37	1 38	- 38	3 39	-	-	-	-	-	-	-	-
24	36	1 37	- 38	- 38	3 39	-	-	-	-	-	-	-
23	35	- 36	- 37	- 37	3 38	2 39	-	-	-	-	-	-
22	33	3 34	3 36	- 36	3 37	3 38	2 39	-	-	-	-	-
21	32	- 33	1 34	2 35	3 36	3 37	3 38	2 39	-	-	-	-
20	30	2 31	3 33	- 34	1 35	2 36	2 37	2 38	2 39	-	-	-
19	28	3 30	- 31	1 32	2 33	3 35	- 36	1 37	2 38	2 39	-	-
18	27	1 28	1 29	2 30	3 32	- 33	2 35	- 36	1 37	1 38	2 39	-
17	25	1 26	2 27	3 29	- 30	1 31	2 33	- 34	2 36	- 37	1 38	1 39
16	23	2 24	2 25	3 27	- 28	1 29	3 31	- 32	2 34	1 35	3 37	- 38
15	21	2 22	2 23	3 25	- 26	1 27	2 29	- 30	2 32	- 33	3 35	2 37
14	19	2 20	2 21	2 22	3 24	- 25	1 26	3 28	1 29	3 31	2 33	1 35
13	17	2 18	2 19	2 20	2 21	3 23	- 24	1 25	3 27	2 29	- 30	3 32
12	15	2 16	2 17	2 18	2 19	2 20	3 21	3 23	1 25	- 26	2 28	1 30
11	13	2 14	2 15	1 16	- 17	- 18	1 19	2 20	3 22	- 23	3 25	1 27
10	11	3 12	2 13	1 14	- 15	- 15	3 17	- 18	1 19	2 20	3 22	2 24
9	10	- 10	2 11	1 12	- 12	3 13	2 14	2 15	2 17	- 18	- 19	2 21
8	8	1 9	- 9	1 10	- 10	3 11	1 12	1 13	- 14	- 15	1 16	2 17
7	7	- 7	1 7	3 8	1 8	3 9	1 10	- 10	3 11	2 12	1 13	2 14
6	5	1 5	2 6	- 6	2 6	3 7	1 8	- 8	2 9	- 9	3 10	3 11
5	4	- 4	- 4	1 4	3 5	1 5	1 6	- 6	1 7	- 7	2 8	1 8
4	2	3 3	- 3	- 3	1 3	2 3	3 4	- 4	1 4	3 5	1 5	3 6
3	1	3 1	3 2	- 2	1 2	1 2	2 2	2 2	3 3	- 3	1 3	2 3
2	-	3 1	- 1	- 1	- 1	- 1	1 1	1 1	2 1	2 1	3 2	- 2
1	-	1	- 1	- 1	- 1	- 1	- 1	- 2	- 2	- 2	2	- 3

The 40 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	28	27	26	25	24	23	22	21	20	19	18	17
28	40	-										
27	39	3 40	-									
26	39	- 39	3 40	-								
25	38	- 39	- 39	3 40	-							
24	37	- 38	- 38	3 39	3 40	-						
23	36	- 37	- 37	3 38	3 39	2 40	-					
22	34	3 35	3 36	3 37	3 38	3 39	2 40	-				
21	32	3 34	1 35	2 36	2 37	2 38	2 39	2 40	-			
20	31	1 32	2 33	3 35	- 36	1 37	2 38	2 39	2 40	-		
19	29	2 30	3 32	- 33	1 34	3 36	- 37	1 38	1 39	1 40	-	
18	27	3 29	- 30	1 31	2 32	3 34	2 35	3 37	- 38	1 39	1 40	-
17	26	- 27	1 28	2 29	3 31	- 32	1 33	3 35	2 37	- 38	- 39	1 40
16	24	- 25	1 26	2 27	3 29	- 30	2 31	3 33	2 35	- 36	2 38	- 39
15	22	- 23	- 24	1 25	2 26	3 28	1 29	2 31	1 32	3 34	2 36	1 37
14	20	- 21	- 22	- 23	1 24	2 26	- 27	1 29	- 30	2 32	1 34	- 36
13	18	- 19	- 20	- 21	- 22	1 23	2 25	- 26	2 28	- 29	3 31	3 33
12	16	- 17	- 18	- 19	- 20	- 21	1 22	2 24	- 25	2 27	1 29	- 30
11	14	- 14	3 15	3 16	3 17	2 18	3 20	- 21	1 22	2 24	1 26	- 28
10	12	1 12	3 13	2 14	2 15	1 16	1 17	2 18	2 20	- 21	1 23	- 25
9	10	1 11	- 11	2 12	1 13	1 14	- 15	- 15	3 17	1 18	2 20	- 21
8	8	2 9	1 9	3 10	1 11	- 11	3 12	2 13	2 14	2 15	3 17	- 18
7	7	- 7	2 8	- 8	1 9	- 9	2 10	1 11	- 11	3 12	2 14	- 15
6	5	1 5	3 6	1 6	3 7	1 7	2 8	1 8	3 9	1 10	- 11	- 12
5	4	- 4	1 4	- 4	3 5	1 5	2 6	1 6	2 7	- 1	7	3 8
4	2	3	3	- 3	- 3	1 3	2 3	3 4	- 4	2 4	3 5	1 5
3	1	3	2	- 2	- 2	1 2	1 2	2 2	2 3	3 3	- 3	2 4
2	-	3	1	- 1	- 1	1 1	1 1	1 1	1 2	2 1	3 1	2 2
1	-	1	- 1	- 1	- 1	- 1	- 1	- 1	- 2	- 2	- 2	- 3

The 41 Gallon Cask, whose Bung Diameter dips in Inches, viz.

The 42 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	29	28	27	26	25	24	23	22	21	20	19	18
29	42	-										
28	41	3 42	-									
27	41	- 41	3 42	-								
26	40	- 41	- 41	3 42	-							
25	39	- 40	- 40	3 41	3 42	-						
24	38	- 39	- 40	- 40	3 41	2 42	-					
23	36	2 37	3 38	3 39	3 40	3 41	2 42	-				
22	34	3 36	1 37	2 38	3 39	3 40	3 41	2 42	-			
21	33	1 34	2 35	3 37	1 38	2 39	2 40	2 41	2 42	-		
20	31	2 33	- 34	- 35	2 36	3 38	- 39	1 40	2 41	1 42	-	
19	29	3 31	- 32	1 33	3 34	3 36	2 37	3 39	- 40	1 41	1 42	-
18	28	- 29	1 30	2 31	3 33	1 34	2 36	- 37	2 39	- 40	- 41	1 42
17	26	- 27	1 28	2 29	3 31	- 32	2 34	- 35	2 37	1 38	3 40	- 41
16	24	- 25	1 26	2 27	3 29	- 30	2 32	- 33	2 35	- 36	3 38	2 40
15	22	- 23	- 24	1 25	2 26	3 28	1 29	3 31	- 32	3 34	2 36	1 38
14	20	- 21	- 22	- 23	1 24	2 26	- 27	1 28	3 30	1 32	- 33	3 35
13	18	- 18	3 20	- 21	- 22	- 23	1 24	3 26	1 27	3 29	2 31	1 33
12	16	- 16	3 17	3 18	3 20	- 21	- 22	1 23	2 25	- 26	3 28	2 30
11	13	3 14	3 15	2 16	2 17	2 18	2 19	3 21	- 22	1 23	3 25	2 27
10	12	- 12	3 13	2 14	1 15	1 16	- 17	- 18	1 19	3 21	- 22	2 24
9	10	1 10	3 11	2 12	1 13	- 13	3 14	2 15	3 16	3 18	- 19	2 21
8	8	3 9	- 9	3 10	1 10	3 11	2 12	1 13	1 14	- 15	- 16	1 17
7	7	- 7	2 7	3 8	1 8	3 9	1 10	- 10	3 11	- 12	2 13	2 14
6	5	1 5	2 6	- 6	1 2	7	- 7	2 8	- 8	2 9	- 9	3 10
5	4	- 4	1 4	2 4	2 5	1 5	2 5	3 6	1 7	- 7	2 8	- 8
4	2	3 3	- 3	1 3	- 1	3 2	3 3	4	- 4	1 4	3 5	1 6
3	1	3 2	- 2	- 2	- 2	1 2	1 2	3 3	- 3	- 3	1 3	2 3
2	-	3 1	- 3	1 1	- 1	1 1	1 1	1 1	1 2	- 2	- 2	- 2
1	-	1 1	- 1	1 1	- 1	1 1	- 2	- 2	- 2	- 2	- 3	- 3

The 43 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	30	29	28	27	26	25	24	23	22	21	20	19
30	43	-										
29	42	3 43	-									
28	42	- 42	3 43	-								
27	41	- 42	- 42	3 43	-							
26	40	- 41	- 42	- 42	3 43	-						
25	39	- 40	- 41	- 41	3 42	3 43	-					
24	37	3 38	3 39	3 40	3 41	3 42	2 43	-				
23	36	- 37	1 38	3 39	3 40	3 41	3 42	2 43	-			
22	34	2 35	3 37	1 38	2 39	2 40	3 41	2 42	2 43	-		
21	32	3 34	- 35	1 36	3 38	- 39	1 40	2 41	2 42	2 43	-	
20	31	- 32	1 33	3 34	3 36	1 37	3 39	- 40	1 41	2 42	2 43	-
19	29	1 30	2 31	3 33	- 34	2 35	3 37	1 38	3 40	- 41	1 42	1 43
18	27	2 28	3 30	- 31	1 32	3 34	- 35	1 37	- 38	2 39	3 41	- 42
17	25	2 26	3 27	3 29	1 30	2 31	3 33	1 34	3 36	1 38	- 39	2 40
16	23	2 24	2 25	3 27	- 28	1 29	3 31	- 32	3 34	1 35	3 37	3 39
15	21	2 22	2 23	3 24	3 26	- 27	2 28	3 30	1 31	3 33	2 35	1 37
14	19	2 20	2 21	2 22	2 23	3 25	- 26	2 28	- 29	2 31	- 32	3 34
13	17	2 18	2 19	1 20	2 21	2 22	3 24	- 25	1 26	3 28	2 30	- 32
12	15	2 16	1 17	1 18	1 19	1 20	1 21	2 22	3 24	- 25	3 27	2 29
11	13	2 14	- 15	- 16	- 17	- 18	- 18	3 20	1 21	2 22	3 24	1 26
10	11	3 12	1 13	- 13	3 14	2 15	2 16	2 17	2 18	3 20	1 21	2 23
9	10	- 10	2 11	- 11	3 12	2 13	1 14	1 15	- 16	1 17	1 18	3 20
8	8	1 8	3 9	- 10	- 10	1 11	- 11	3 12	2 13	1 14	1 15	2 16
7	6	3 7	1 7	2 8	- 8	2 8	3 9	2 10	1 11	1 11	3 12	3 13
6	5	1 5	2 5	3 6	1 6	2 7	1 7	2 8	- 8	3 9	1 10	- 11
5	4	- 4	- 4	1 4	2 4	3 5	1 5	3 6	- 6	2 7	- 7	3 8
4	2	3 3	- 3	- 3	1	3 1	3 3	4 1	4 1	2 4	3 5	1 5
3	1	3 1	3 2	- 2	- 2	1 2	1 2	2 3	3 3	- 3	3 1	3 2
2	- 3	- 3	3 1	- 1	- 1	1 1	1 1	1 2	1 2	1 3	1 3	1
1	-	1	-	1	-	1	-	1	-	2	-	3

The 44 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	30	29	28	27	26	25	24	23	22	21	20	19
30	44	-										
29	43	3 44	-									
28	43	- 3	3 44	-								
27	42	- 43	- 43	3 44	-							
26	41	- 42	- 43	- 43	3 44	-						
25	40	- 41	- 42	- 42	3 43	3 44	-					
24	38	2 39	3 40	3 41	3 42	3 43	2 44	-				
23	36	3 38	1 39	2 40	3 41	3 42	3 43	2 44	-			
22	35	1 36	2 38	- 39	1 40	2 41	2 42	2 43	2 44	-		
21	33	3 34	3 36	1 37	2 39	- 40	1 41	2 42	2 43	2 44	-	
20	31	3 33	- 34	2 35	3 37	1 38	2 40	- 41	1 42	1 43	2 44	-
19	30	- 31	1 32	2 33	3 35	1 36	2 38	1 39	3 41	- 42	1 43	1 44
18	28	- 29	1 30	3 32	- 33	2 34	3 36	1 37	3 39	1 40	3 42	- 43
17	26	- 27	1 28	2 29	3 31	1 32	2 34	- 35	2 37	1 39	- 40	2 41
16	24	- 25	1 26	1 27	3 29	- 30	2 31	3 33	2 35	- 36	3 38	2 40
15	22	- 23	- 24	1 25	2 26	3 28	- 29	2 31	- 32	2 34	2 36	- 38
14	20	- 21	- 22	- 23	1 24	1 25	3 27	- 28	2 30	- 31	3 33	3 35
13	18	- 18	3 19	3 20	3 22	- 23	1 24	2 26	- 27	2 29	- 30	3 32
12	15	3 16	3 17	2 18	2 19	3 20	3 22	- 23	1 24	3 26	1 28	- 30
11	13	3 14	2 15	1 16	1 17	1 18	1 19	1 20	2 22	- 23	1 25	- 27
10	12	- 12	2 13	1 14	1 15	- 15	3 16	3 18	- 19	1 20	2 22	- 23
9	10	- 10	3 11	1 12	- 12	3 13	2 14	2 15	1 16	2 17	2 19	- 20
8	8	2 9	- 9	1 10	1 10	2 11	1 12	- 12	3 13	3 14	3 15	3 16
7	7	- 7	1 7	3 8	1 8	3 9	- 9	3 10	2 11	1 12	- 13	- 14
6	5	1 5	2 6	- 6	1 6	2 7	1 7	3 8	1 9	- 9	2 10	1 11
5	4	- 4	1 4	2 4	2 5	- 5	2 5	3 6	- 6	3 7	1 7	3 8
4	3	- 3	- 3	1 3	1 3	2 3	3 4	- 4	1 4	2 5	- 5	1 5
3	1	3 2	- 2	- 2	- 2	1	2 2	2 2	3 3	- 3	1 3	1 2
2	- 3	1	- 1	- 1	- 1	- 1	1	1	1	2	1 3	1
1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 2	- 2	- 2	- 3	- 3

The 45 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	30	29	28	27	26	25	24	23	22	21	20	19
30	45	-										
29	44	3 45	-									
28	44	- 44	3 45	-								
27	43	- 44	- 44	3 45	-							
26	42	- 43	- 44	- 44	3 45	-						
25	41	- 41	3 43	- 43	3 44	3 45	-					
24	39	2 40	3 41	3 42	3 43	3 44	2 45	-				
23	37	3 39	- 40	2 41	2 42	2 43	2 44	2 45	-			
22	36	- 37	2 39	- 40	1 41	2 42	2 43	2 44	2 45	-		
21	34	2 35	3 37	- 38	2 39	3 41	1 42	1 43	2 44	2 45	-	
20	32	2 33	3 35	1 36	2 38	- 39	1 41	- 42	- 43	1 44	1 45	-
19	30	3 32	- 33	1 34	3 36	- 37	2 39	- 40	2 41	3 43	- 44	1 45
18	28	3 30	- 31	1 32	3 34	1 35	2 37	- 38	3 40	1 41	3 43	- 44
17	26	3 28	- 29	1 30	2 32	- 33	1 35	- 36	1 38	- 40	- 41	2 42
16	24	2 25	3 27	- 28	1 29	3 31	- 32	3 34	1 35	3 37	2 39	2 41
15	22	2 23	2 24	3 26	- 27	1 28	3 30	1 31	3 33	1 35	1 37	- 39
14	20	2 21	2 22	2 23	3 24	3 26	1 27	3 29	1 30	3 32	2 34	2 36
13	18	1 19	1 20	1 21	1 22	2 23	3 25	- 26	2 28	- 29	3 31	2 33
12	16	- 17	- 18	- 19	- 20	1 21	1 22	2 23	3 25	1 27	- 28	3 30
11	14	- 14	3 15	3 16	3 17	3 18	3 19	3 21	- 22	2 23	3 25	2 27
10	12	1 12	3 13	2 14	2 15	1 16	1 17	1 18	1 19	3 21	- 22	2 24
9	10	1 11	- 11	2 12	1 13	- 13	3 14	3 15	3 16	3 18	- 19	2 20
8	8	3 9	1 9	2 10	1 10	3 11	2 12	1 13	- 14	- 15	- 16	1 17
7	7	1 7	2 8	- 8	1 9	- 9	1 10	- 10	3 11	3 12	1 13	1 14
6	5	2 5	3 6	- 6	2 6	3 7	2 8	- 8	2 9	1 9	3 10	2 11
5	4	- 4	1 4	2 4	3 5	- 5	2 6	- 6	1 6	3 7	2 8	- 8
4	3	- 3	- 3	1 3	2 3	2 3	3 4	- 4	1 4	3 5	5 2	2 6
3	1	3 2	- 2	- 2	1 2	1 2	2 2	2 2	3 3	- 3	1 3	2 3
2	-	3 1	- 1	- 1	1 1	1 1	1 1	1 1	2 1	1 2	3 1	3 2
1	-	1	- 1	- 1	1	- 1	1	- 2	1	1	3	- 3

The 46 Gallon Cask, whose Bung Diameter dips in Inches, viz:

	30	29	28	27	26	25	24	23	22	21	20	19
30	46	-										
29	45	3 46	-									
28	45	- 45	3 46	-								
27	44	- 45	- 45	3 46	-							
26	42	3 43	3 44	3 45	2 46	-						
25	41	3 42	3 43	3 44	3 45	2 46	-					
24	40	1 41	2 42	3 43	3 44	3 45	2 46	-				
23	38	2 40	- 41	1 42	2 43	2 44	2 45	2 46	-			
22	37	- 38	1 39	3 41	- 42	1 43	1 44	2 45	2 46	-		
21	35	1 36	2 37	3 39	1 40	3 42	- 43	1 44	1 45	2 46	-	
20	33	1 34	2 36	- 37	1 38	3 40	1 41	3 43	- 44	1 45	1 46	-
19	31	1 32	3 34	- 35	2 36	3 38	1 39	3 41	2 42	3 44	- 45	1 46
18	29	1 30	2 32	- 33	2 35	- 36	1 37	3 39	2 41	- 42	2 44	- 45
17	27	1 28	2 29	3 31	1 32	3 34	- 35	3 37	1 38	3 40	3 42	1 43
16	25	- 26	1 27	2 29	- 30	1 31	3 33	1 35	- 36	2 38	1 40	1 42
15	23	- 24	- 25	1 26	2 28	- 29	1 30	3 32	2 34	- 36	- 37	3 39
14	21	- 22	- 23	- 24	1 25	2 26	3 28	1 29	3 31	2 33	1 35	1 37
13	18	2 19	3 20	3 21	3 23	- 24	1 25	2 27	- 28	3 30	1 32	1 34
12	16	2 17	1 18	1 19	2 20	2 21	3 23	- 24	1 25	3 27	2 29	1 31
11	14	2 15	1 16	- 17	- 18	- 19	1 20	1 21	2 23	- 24	1 26	- 28
10	12	2 13	1 14	- 14	3 15	3 16	3 17	3 18	3 20	1 21	2 23	- 24
9	10	2 11	1 11	3 12	2 13	1 14	- 15	1 16	- 17	1 18	2 20	- 21
8	8	3 9	2 9	3 10	2 11	- 11	3 12	2 13	2 14	2 15	2 16	2 17
7	7	1 7	3 8	1 8	2 9	1 9	2 10	1 11	- 12	- 12	2 13	2 14
6	5	2 6	- 6	1 6	3 7	- 7	3 8	1 8	3 9	1 10	- 10	2 11
5	4	- 4	1 4	2 4	3 5	1 5	3 6	- 6	1 7	- 7	2 8	- 8
4	3	- 3	1 3	1 3	2 3	2 3	3 4	1 4	2 4	3 5	1 5	2 6
3	2	- 2	- 2	- 2	1 2	1 2	2 2	2 3	- 3	1 3	1 3	2 3
2	- 3	1	- 1	- 1	1	1	1	1	2	2	- 2	- 2
1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 2	- 2	- 2	- 3	- 3

The 47 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	30	29	28	27	26	25	24	23	22	21	20	19
30	47	—										
29	46	3 47	—									
28	46	— 46	3 47	—								
27	44	3 45	3 46	3 47	—							
26	43	3 44	3 45	3 46	2 47	—						
25	42	3 43	3 44	3 45	3 46	2 47	—					
24	41	1 42	2 43	2 44	3 45	3 46	2 47	—				
23	39	1 40	3 42	1 43	1 44	2 45	2 46	2 47	—			
22	37	3 39	— 40	2 42	— 43	1 44	1 45	2 46	2 47	—		
21	35	3 37	1 38	2 40	— 41	3 43	— 44	1 45	1 46	2 47	—	
20	34	— 35	1 36	3 38	— 39	2 41	1 42	3 43	3 45	— 46	1 47	—
19	32	— 33	1 34	3 36	1 37	3 39	— 40	3 42	1 43	3 45	— 46	1 47
18	30	— 31	1 32	3 34	— 35	3 37	— 38	2 40	2 42	— 43	2 45	— 46
17	27	3 29	1 30	2 31	3 33	1 34	3 36	2 38	— 39	3 41	2 43	1 44
16	25	2 26	3 28	1 29	2 31	— 32	2 34	— 35	3 37	2 39	1 41	— 43
15	23	2 24	2 25	3 27	— 28	2 30	— 31	2 33	— 34	3 36	3 38	2 40
14	21	2 22	2 23	2 24	3 26	— 27	1 28	3 30	2 32	— 34	— 36	— 37
13	19	— 20	1 21	1 22	1 23	2 24	3 26	— 27	3 29	1 31	— 33	— 35
12	16	3 17	3 18	3 20	— 21	— 22	1 23	2 24	3 26	1 28	— 30	— 31
11	14	3 15	2 16	1 17	2 18	2 19	3 20	3 22	— 23	2 24	3 26	2 28
10	12	3 13	2 14	1 15	1 16	— 17	— 18	1 19	— 20	2 22	— 23	2 25
9	11	— 11	2 12	1 13	— 13	3 14	1 15	2 16	2 17	3 18	3 20	2 21
8	9	— 9	3 10	— 10	3 11	1 12	— 12	3 13	3 14	3 16	— 17	— 17
7	7	2 8	— 8	1 8	3 9	1 9	3 10	2 11	1 12	1 13	— 14	— 15
6	5	3 6	1 6	2 6	3 7	1 8	— 8	2 9	— 9	2 10	1 11	— 11
5	4	1 4	2 4	3 5	— 5	1 5	3 6	1 6	2 7	1 7	3 8	1 9
4	3	1 3	1 3	1 3	2 3	3 4	— 4	1 4	2 5	— 5	1 5	3 6
3	2	— 2	1 2	1 2	1 2	2 2	2 2	3 3	— 3	1 3	2 3	3 3
2	— 3	1 1	— 1	— 1	1 1	1 1	2 2	1 2	1 3	1 3	— 2	— 2
1	— 1	— 1	— 1	— 1	— 1	— 1	— 2	— 2	— 2	— 2	— 3	— 3

The 48 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	30	29	28	27	26	25	24	23	22	21	20	19
30	48	-										
29	47	3 48	-									
28	47	- 47	3 48	-								
27	45	3 46	3 47	3 48	-							
26	44	3 45	3 46	3 47	2 48	-						
25	43	2 44	2 45	3 46	3 47	2 48	-					
24	42	- 43	1 44	2 45	2 46	3 47	2 48	-				
23	40	1 41	3 43	- 44	1 45	2 46	2 47	2 48	-			
22	38	2 39	3 41	2 42	3 44	1 45	1 46	2 47	2 48	-		
21	36	3 38	- 39	1 41	- 42	2 43	3 45	- 46	1 47	2 48	-	
20	34	3 36	- 37	3 38	3 40	2 42	- 43	2 44	3 46	1 47	1 48	-
19	32	3 34	- 35	2 37	- 38	2 39	3 41	2 43	1 44	2 46	- 47	1 48
18	30	2 32	- 33	2 34	3 36	2 38	- 39	1 41	1 43	- 44	2 46	- 47
17	28	1 29	3 31	- 32	2 34	- 35	2 37	1 38	3 40	2 42	2 44	1 45
16	26	1 27	1 28	3 30	1 31	3 33	1 34	3 36	2 38	1 40	- 42	- 43
15	24	- 25	- 26	1 27	3 29	- 30	2 32	1 33	3 35	2 37	2 39	1 41
14	22	- 23	- 24	- 25	1 26	2 28	- 29	2 31	- 32	3 34	3 36	3 38
13	19	2 20	2 21	2 22	3 24	- 25	1 26	3 28	1 29	3 31	3 33	3 35
12	17	1 18	1 19	1 20	1 21	2 22	3 24	- 25	2 26	3 28	3 30	2 32
11	15	- 15	3 16	3 17	3 19	- 20	- 21	- 22	2 24	- 25	2 27	- 29
10	13	- 13	3 14	2 15	2 16	1 17	2 18	2 19	2 21	- 22	2 24	- 25
9	11	1 11	3 12	2 13	1 14	- 14	2 15	3 16	3 18	- 19	1 20	3 22
8	9	1 10	- 10	1 11	- 11	2 12	1 13	1 14	- 15	- 16	1 17	1 18
7	7	2 8	- 8	2 9	- 9	2 10	- 10	3 11	2 12	2 13	1 14	1 15
6	5	3 6	1 6	2 7	- 7	2 8	1 8	2 9	1 9	3 10	2 11	1 12
5	4	1 4	2 4	3 5	- 5	2 5	3 6	1 6	2 7	1 8	- 8	2 9
4	3	1 3	1 3	2 3	3 3	3 3	4	1 4	3 5	- 5	1 5	3 6
3	2	- 2	- 2	1 2	1 2	2 2	3 2	3 3	- 3	1 3	2 3	3 4
2	- 3	1	- 1	1	1	1	1	1	3	1 3	2	- 2
1	- 1	- 1	- 1	- 1	- 1	- 1	- 2	- 2	- 2	- 2	- 3	- 3

The 49 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	30	29	28	27	26	25	24	23	22	21	20	19
30	49	-										
29	48	3 49	-									
28	47	3 48	3 49	-								
27	46	3 47	3 48	3 49	-							
26	45	2 46	3 47	3 48	2 49	-						
25	44	2 45	2 46	3 47	3 48	2 49	-					
24	43	- 44	1 45	2 46	2 47	3 48	2 49	-				
23	41	- 42	2 44	- 45	1 46	1 47	2 48	2 49	-			
22	39	1 40	3 42	1 43	3 45	- 46	1 47	2 48	2 49	-		
21	37	2 38	3 40	1 41	3 43	2 44	3 46	- 47	1 48	2 49	-	
20	35	2 36	3 38	2 39	3 41	2 42	3 44	2 45	3 47	- 48	1 49	-
19	33	1 34	3 36	1 37	3 39	1 40	3 42	2 44	- 45	2 47	- 48	1 49
18	31	1 32	3 34	- 35	2 37	1 38	3 40	1 42	- 43	3 45	2 47	- 48
17	29	- 30	1 31	3 33	1 34	3 36	1 38	- 39	2 41	2 43	1 45	- 46
16	26	3 28	- 29	1 30	3 32	1 33	3 35	2 37	1 39	- 41	- 43	- 44
15	24	2 25	3 27	- 28	1 29	3 31	1 32	3 34	2 36	1 38	1 40	- 42
14	22	1 23	1 24	2 25	3 27	1 28	2 30	- 31	3 33	2 35	2 37	2 39
13	19	3 21	- 22	- 23	1 24	2 25	3 27	1 29	- 30	2 32	1 34	1 36
12	17	2 18	2 19	3 20	3 21	3 23	1 24	2 26	- 27	2 29	1 31	1 33
11	15	2 16	- 17	1 18	1 19	1 20	2 21	3 23	- 24	2 26	- 27	3 30
10	13	1 14	- 14	3 15	3 16	3 17	3 19	- 20	- 21	2 23	- 24	2 26
9	11	2 12	- 12	3 13	2 14	1 15	- 16	1 17	- 18	2 19	3 21	1 22
8	9	2 10	1 10	2 11	1 11	3 12	2 13	2 14	1 15	2 16	2 17	3 18
7	7	3 8	1 8	3 9	1 9	3 10	1 11	- 11	3 12	3 13	2 14	2 15
6	6	- 6	2 6	3 7	- 7	2 8	1 8	3 9	1 10	- 10	3 11	2 12
5	4	2 4	2 5	- 5	1 5	2 6	- 6	2 6	3 7	2 8	- 8	3 9
4	3	1 3	2 3	2 3	3 3	3 4	1 4	2 4	3 5	1 5	2 6	- 6
3	2	- 2	1 2	1 2	1 2	2 2	3 2	3 3	- 3	2 3	2 3	3 4
2	-	3	1	- 1	1	1	1	2	- 2	- 2	- 3	- 2
1	-	1	-	1	-	1	-	2	-	2	-	3

The 50 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	30	29	28	27	26	25	24	23	22	21	20	19
30	50	-										
29	49	3 50	-									
28	48	3 49	3 50	-								
27	47	3 48	3 49	3 50	-							
26	46	2 47	3 48	3 49	2 50	-						
25	45	1 46	2 47	3 48	3 49	2 50	-					
24	43	3 45	1 46	1 47	2 48	2 49	2 50	-				
23	42	- 43	2 45	- 46	1 47	1 48	2 49	2 50	-			
22	40	- 41	2 43	1 44	3 46	- 47	1 48	2 49	2 50	-		
21	38	1 39	2 41	- 42	3 44	1 45	3 47	- 48	1 49	2 50	-	
20	36	1 37	2 39	1 40	2 42	1 43	3 45	1 46	3 48	- 49	1 50	-
19	34	- 35	2 37	- 38	2 40	- 41	2 43	1 45	- 46	2 48	- 49	1 50
18	31	3 33	1 34	3 36	1 38	- 39	2 41	- 43	- 44	3 46	2 47	3 49
17	29	2 31	- 32	2 33	3 35	2 37	- 38	3 40	2 42	1 44	- 46	- 47
16	27	1 28	2 30	- 31	2 33	- 34	2 36	1 38	- 39	3 41	3 43	3 45
15	25	- 26	1 27	2 28	3 30	1 31	3 33	2 35	1 37	- 39	- 41	- 43
14	22	3 23	3 25	- 26	1 27	3 29	- 30	3 32	2 34	1 36	- 38	1 40
13	20	1 21	2 22	2 23	3 25	- 26	2 27	3 29	2 31	- 33	- 35	- 37
12	18	- 19	2 20	- 21	1 22	1 23	2 25	- 26	2 28	- 30	- 32	- 34
11	15	3 16	2 17	2 18	2 19	3 21	- 22	- 23	2 25	- 26	2 28	1 30
10	13	2 14	1 15	1 16	- 17	- 18	1 19	1 20	2 22	- 23	2 25	- 26
9	11	3 12	1 13	- 13	3 14	2 15	1 16	2 17	2 18	3 20	- 21	3 23
8	9	3 10	1 10	3 11	2 12	- 13	- 13	3 14	2 15	3 17	- 18	- 19
7	7	3 8	1 8	3 9	1 10	- 10	2 11	1 12	- 13	- 14	- 14	3 16
6	6	- 6	2 6	3 7	1 7	3 8	2 8	3 9	2 10	1 11	- 11	3 12
5	4	2 4	3 5	- 5	1 5	2 6	- 6	2 7	- 7	3 8	1 9	- 9
4	3	2 3	2 3	3 3	3 4	- 4	1 4	2 5	- 5	1 5	3 6	1 6
3	2	- 2	- 2	1 2	2 2	2 2	3 3	- 3	1 3	2 3	2 3	3 4
2	1	- 1	1 1	1 1	1 1	1 1	1 2	1 2	1 3	1 3	- 2	1 2
1	- 1	- 1	- 1	- 1	- 1	- 1	- 2	- 2	- 2	- 2	- 3	- 3

The 51 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	30	29	28	27	26	25	24	23	22	21	20	19
30	51	-										
29	50	3 51	-									
28	49	3 50	3 51	-								
27	48	3 49	3 50	3 51	-							
26	47	2 48	3 49	3 50	2 51	-						
25	46	1 47	2 48	2 49	2 50	2 51	-					
24	44	2 46	- 47	1 48	2 49	2 50	2 51	-				
23	42	3 44	1 45	3 47	- 48	1 49	2 50	2 51	-			
22	41	- 42	1 44	- 45	2 47	- 48	1 49	1 50	2 51	-		
21	38	3 40	2 41	3 43	2 45	1 46	2 47	3 49	- 50	2 51	-	
20	36	3 38	1 40	- 41	2 43	- 44	2 46	1 47	2 49	- 50	1 51	-
19	34	3 36	1 37	3 39	1 40	3 42	1 44	1 46	- 47	2 48	3 50	1 51
18	32	1 34	- 35	2 37	- 38	3 40	1 41	3 43	3 45	2 47	1 48	3 50
17	30	- 31	2 33	- 34	2 36	1 37	3 39	2 41	1 43	- 45	- 47	- 48
16	27	3 29	- 30	2 32	- 33	2 35	1 37	- 38	3 40	2 42	2 44	2 46
15	25	2 26	3 28	- 29	1 30	3 32	2 34	- 36	- 37	3 39	3 41	3 44
14	23	1 24	1 25	2 26	3 28	1 29	2 31	1 33	- 35	- 36	3 39	- 41
13	20	2 22	- 23	- 24	1 25	2 27	- 28	1 30	- 31	3 33	2 35	3 38
12	18	2 19	1 20	2 21	3 22	3 24	- 25	2 27	- 28	2 30	2 32	2 34
11	16	- 16	3 18	- 19	- 20	1 21	2 22	2 24	- 25	2 27	- 28	3 31
10	14	- 14	2 15	2 16	1 17	1 18	2 19	3 21	- 22	2 24	- 25	2 27
9	12	- 12	2 13	1 14	- 14	3 15	2 16	3 17	3 19	1 20	2 22	- 23
8	9	3 10	2 11	- 11	3 12	1 13	1 14	- 14	3 16	- 17	1 18	2 19
7	8	- 8	2 9	- 9	2 10	1 10	2 11	2 12	1 13	1 14	1 15	- 16
6	6	1 6	2 7	- 7	1 8	- 8	2 9	- 9	3 10	1 11	1 12	- 12
5	4	2 5	- 5	- 5	1 5	3 6	1 6	3 7	- 7	3 8	2 9	1 9
4	3	2 3	2 3	3 4	- 4	- 4	1 4	3 5	1 5	2 5	3 6	1 6
3	2	1 2	1 2	1 2	2 2	2 3	2 3	- 3	1 3	2 3	2 4	- 4
2	1	- 1	1 1	1 1	1 1	1 1	2 1	2 1	3 2	- 2	- 2	1 2
1	-	1	- 1	- 1	1	- 2	- 2	- 2	- 2	- 2	- 3	- 3

The 52 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	30	29	28	27	26	25	24	23	22	21	20	19
30	52	-										
29	51	3 52	-									
28	50	3 51	3 52	-								
27	49	3 50	3 51	3 52	-							
26	48	1 49	2 50	3 51	2 52	-						
25	47	1 48	1 49	2 50	2 51	2 52	-					
24	45	2 47	- 48	1 49	1 50	2 51	2 52	-				
23	43	2 45	- 46	3 48	- 49	1 50	2 51	2 52	-			
22	41	3 43	1 44	3 46	2 47	3 49	- 50	1 51	2 52	-		
21	39	3 41	1 42	2 44	1 46	- 47	2 48	3 50	- 51	1 52	-	
20	37	2 39	- 40	3 42	1 43	3 45	2 47	1 48	2 50	- 51	1 52	-
19	35	1 36	3 38	2 40	- 41	2 43	- 45	- 46	3 48	1 49	3 51	1 52
18	33	- 34	2 36	1 37	3 39	1 41	- 42	2 44	3 46	2 48	1 49	3 51
17	30	3 32	1 33	3 35	1 37	- 38	2 40	1 42	- 44	- 46	- 48	- 49
16	28	1 29	2 31	- 32	3 34	1 35	3 37	2 39	2 41	1 43	1 45	2 47
15	26	- 27	1 28	2 29	3 31	2 33	- 34	3 36	3 38	2 40	2 42	2 45
14	23	3 24	3 26	- 27	1 28	3 30	1 32	- 33	3 35	2 37	2 39	3 41
13	21	- 22	1 23	2 24	3 26	- 27	2 28	3 30	2 32	2 34	1 36	2 38
12	18	3 19	3 20	3 22	1 23	1 24	2 26	- 27	2 29	- 31	- 33	- 35
11	16	2 17	1 18	1 19	1 20	2 21	3 23	- 24	2 26	- 27	2 29	1 31
10	14	1 15	- 15	3 16	2 17	3 19	- 20	- 21	1 22	3 24	2 26	- 27
9	12	- 12	3 13	2 14	1 15	- 16	- 17	1 18	- 19	2 21	- 22	2 24
8	10	- 10	3 11	1 12	- 12	2 13	2 14	1 15	- 16	2 17	2 18	3 19
7	8	1	8	3 9	1 9	3 10	2 10	3 11	3 12	2 13	2 14	2 15
6	6	1	6	3 7	1 7	2 8	1 8	3 9	1 10	- 10	2 11	1 12
5	4	3	5	- 5	1 5	2 5	3 6	2 7	- 7	1 8	- 8	3 9
4	3	2	3	2 3	3 4	- 4	- 4	2 4	3 5	- 5	2 6	- 6
3	2	1	2	1 2	2 2	2 2	3 3	- 3	1 3	3 3	3 3	4
2	1	-	1	1	1	1	1	2	1	3	2	- 2
1	-	1	-	1	-	1	-	2	-	2	-	3

The 53 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	30	29	28	27	26	25	24	23	22	21	20	19
30	53	-										
29	52	3 53	-									
28	51	3 52	3 53	-								
27	50	3 51	3 52	3 53	-							
26	49	1 50	2 51	3 52	2 53	-						
25	48	- 49	1 50	2 51	2 52	2 53	-					
24	46	1 47	3 49	- 50	1 51	2 52	2 53	-				
23	44	1 46	- 47	3 49	- 50	- 51	2 52	2 53	-			
22	42	2 44	- 45	3 47	1 48	3 50	- 51	1 52	2 53	-		
21	40	2 41	3 43	2 45	1 47	- 48	2 49	3 51	- 52	1 53	-	
20	38	1 39	3 41	2 43	- 44	3 46	1 48	- 49	2 51	- 52	1 53	-
19	36	- 37	2 39	- 40	3 42	2 44	- 46	- 47	3 49	1 50	3 52	1 53
18	33	3 35	1 37	- 38	2 40	1 41	3 43	2 45	2 47	1 49	- 50	3 52
17	31	1 32	3 34	1 35	3 37	2 39	1 41	- 42	3 44	3 47	- 48	3 50
16	28	3 30	1 31	3 33	1 35	- 36	2 38	1 40	1 42	- 44	- 46	2 48
15	26	2 27	3 29	- 30	2 32	- 33	3 35	2 37	1 39	- 41	2 43	1 46
14	24	- 25	1 26	2 27	3 29	1 30	3 32	2 34	2 36	1 38	1 40	2 42
13	21	2 22	3 23	3 25	1 26	2 28	- 29	2 31	1 33	- 35	- 37	- 39
12	19	- 20	1 21	1 22	2 23	3 25	- 26	2 28	- 29	2 31	2 33	3 36
11	16	3 17	2 18	3 19	3 21	- 22	1 23	2 25	- 26	2 28	- 30	- 32
10	14	2 15	1 16	- 17	- 18	- 19	1 20	1 21	3 23	1 24	3 26	2 28
9	12	1 13	- 13	3 14	2 15	1 16	1 17	2 18	2 20	- 21	1 23	- 24
8	10	1 11	- 11	2 12	1 12	3 13	3 14	2 15	2 16	3 18	- 19	1 20
7	8	2 9	- 9	2 9	3 10	2 11	- 11	3 12	3 13	3 14	3 15	3 17
6	6	2 7	- 7	1 7	2 8	1 8	3 9	2 10	1 10	3 11	2 12	2 13
5	4	3 5	- 5	1 5	2 6	- 6	2 7	- 7	1 8	- 8	3 9	2 10
4	3	2 3	2 4	- 4	- 4	1 4	2 4	3 5	1 5	2 6	- 6	2 7
3	2	1 2	1 2	2 2	3 2	3 3	- 3	3 1	3 3	3 3	3 4	- 4
2	1	- 1	1 1	1 1	1 1	1 1	2 1	2 1	3 2	- 2	1 2	1 2
1	-	1	- 1	1	- 1	- 2	- 2	- 2	- 2	- 2	3	- 3

The 54 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	30	29	28	27	26	25	24	23	22	21	20	19
30	54	-										
29	53	3 54	-									
28	52	3 53	3 54	-								
27	51	2 52	3 53	3 54	-							
26	50	1 51	2 52	3 53	2 54	-						
25	49	- 50	1 51	2 52	2 53	2 54	-					
24	47	1 48	3 50	- 51	1 52	2 53	2 54	-				
23	45	1 47	- 48	2 49	3 51	- 52	1 53	2 54	-			
22	43	1 44	3 46	3 48	1 49	3 51	- 52	1 53	2 54	-		
21	41	1 42	2 44	1 46	- 47	3 49	1 50	3 52	- 53	2 54	-	
20	39	- 40	2 42	1 43	3 45	2 47	1 49	- 50	2 52	- 53	1 54	-
19	36	3 38	1 39	3 41	2 43	1 44	3 46	3 48	3 50	- 51	3 53	1 54
18	34	2 36	- 37	2 39	1 41	- 42	2 44	1 46	2 48	1 50	- 51	3 53
17	32	- 33	2 35	- 36	2 38	1 40	- 41	3 43	3 45	3 47	3 49	3 51
16	29	1 30	3 32	1 34	- 35	2 37	1 39	- 41	- 43	- 45	- 47	1 49
15	27	- 28	1 29	2 31	- 32	3 34	2 36	1 38	- 40	- 42	1 44	- 46
14	24	2 25	3 27	- 28	2 29	3 31	2 33	- 35	- 37	- 39	- 41	1 43
13	22	- 23	1 24	1 25	2 27	- 28	2 30	- 31	3 33	2 35	3 37	3 40
12	19	1 20	2 21	2 23	- 24	1 25	2 27	- 28	2 30	1 32	1 34	2 36
11	17	- 17	3 19	- 20	- 21	1 22	2 23	3 25	2 27	- 28	2 30	2 33
10	14	3 15	2 16	1 17	1 18	2 19	2 20	3 22	- 23	3 25	1 27	- 29
9	12	2 13	1 14	- 14	3 15	3 16	2 17	3 18	3 20	1 21	3 23	2 25
8	10	2 11	1 11	3 12	2 13	- 14	- 14	3 15	3 17	- 18	1 19	2 20
7	8	2 9	1 9	3 10	- 10	3 11	1 12	- 12	3 14	- 15	- 16	- 17
6	6	2 7	- 7	1 7	3 8	2 9	- 9	3 10	1 11	- 11	3 12	3 13
5	5	- 5	1 5	2 5	3 6	- 6	3 7	1 7	2 8	1 9	- 9	3 10
4	3	3 3	3 4	- 4	- 4	1 4	3 4	3 5	1 5	3 6	1 6	3 7
3	2	1 2	2 2	2 2	3 2	3 3	- 3	1 3	2 3	3 4	- 4	1 2
2	1	- 1	1 1	1 1	1 2	1 2	- 2	- 2	- 2	- 2	1 2	1 2
1	-	1	- 1	1	- 1	2	- 2	- 2	- 2	- 2	3	- 3

The 55 Gallon Cask, whose Bung Diameter dips in Inches, viz.,

30	29	28	27	26	25	24	23	22	21	20	19
30	55	-									
29	54	355	-								
28	53	354	355	-							
27	52	253	354	255	-						
26	51	152	253	354	255	-					
25	50	-51	152	253	254	255	-				
24	48	149	351	-52	153	254	255	-			
23	46	-47	349	250	352	-53	154	255	-		
22	44	-45	247	249	-50	252	-53	154	255	-	
21	42	-43	145	-47	-48	350	151	353	-54	155	-
20	39	341	143	-44	246	248	-50	-51	253	-54	155
19	37	239	-40	342	144	-45	347	349	251	-52	354
18	35	-36	238	140	-41	343	245	-47	149	-51	-52
17	32	234	-35	337	139	-40	342	244	246	248	350
16	29	331	133	-34	236	138	-39	341	343	345	348
15	27	228	330	131	333	135	-36	338	340	343	-45
14	25	-26	127	229	-30	132	-33	335	337	239	342
13	22	223	324	326	-27	229	-30	232	234	136	138
12	19	321	-22	-23	124	326	-27	229	-30	332	335
11	17	118	119	120	221	323	-24	225	327	229	-31
10	15	-15	316	217	218	320	-21	122	224	125	327
9	12	313	214	115	-16	-17	-18	119	120	322	-24
8	10	311	212	-12	313	114	115	116	-17	118	220
7	8	39	19	310	111	-11	212	113	114	115	116
6	6	37	17	28	-8	29	19	310	211	112	-13
5	5	-5	15	25	36	16	37	17	38	29	-10
4	3	33	34	-4	14	14	35	-5	15	36	16
3	2	12	22	22	32	33	-3	13	23	34	-4
2	1	-1	11	11	12	12	12	13	22	12	12
1	-	1	-1	11	-2	-2	-2	w	2	-2	3

The 56 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	30	29	28	27	26	25	24	23	22	21	20	19
30	56	-										
29	55	3 56	-									
28	54	3 55	3 56	-								
27	53	2 54	3 55	2 56	-							
26	52	1 53	2 54	3 55	2 56	-						
25	50	3 52	1 53	2 54	2 55	2 56	-					
24	49	- 50	2 52	- 53	1 54	2 55	2 56	-				
23	46	3 48	3 50	1 51	3 53	- 54	1 55	2 56	-			
22	44	3 46	2 48	2 50	- 51	2 52	2 54	2 55	2 56	-		
21	42	3 44	1 46	- 47	3 49	2 51	1 52	2 54	- 55	1 56	-	
20	40	2 42	- 43	3 45	1 47	1 49	- 51	- 52	1 53	3 55	1 56	-
19	38	- 39	3 41	2 43	- 44	3 46	2 48	2 50	2 52	- 53	3 55	1 56
18	35	3 37	1 39	- 40	3 42	2 44	- 46	- 48	- 50	- 52	- 53	2 55
17	33	- 34	3 36	1 38	- 39	3 41	2 43	1 45	1 47	2 49	2 51	2 53
16	30	2 32	- 33	2 35	1 37	- 38	3 40	2 42	2 44	2 46	3 49	- 51
15	28	- 29	1 30	3 32	1 34	- 35	3 37	2 39	2 41	2 43	3 45	3 48
14	25	2 26	3 28	- 29	2 31	- 32	2 34	2 36	1 38	1 40	2 42	3 45
13	23	- 24	- 25	1 26	2 28	- 29	2 31	- 33	- 34	3 37	- 39	1 41
12	20	- 21	1 22	2 23	3 25	- 26	2 28	- 29	2 31	1 33	2 35	3 38
11	17	3 18	2 19	3 20	3 22	- 23	2 25	- 26	1 28	- 29	2 31	- 2 34
10	15	1 16	- 17	- 17	3 19	- 20	1 21	2 23	- 24	2 26	1 28	- 30
9	13	- 13	3 14	2 15	1 16	1 17	1 18	2 19	3 21	- 22	2 24	1 25
8	11	- 11	3 12	1 13	- 13	2 14	2 15	1 16	2 17	3 19	- 20	1 21
7	9	- 9	2 10	- 10	2 11	1 11	3 12	2 13	2 14	2 15	2 16	2 17
6	6	3 7	1 7	2 8	- 8	3 9	2 10	- 10	2 11	2 12	1 13	1 14
5	5	- 5	1 5	2 6	- 6	1 7	- 7	2 7	3 8	2 9	1 10	- 10
4	3	3 3	3 4	- 4	1 4	2 4	3 5	- 5	2 6	- 6	1 7	- 7
3	2	1 2	2 2	2 2	3 3	- 3	- 3	1 3	2 3	- 3	4	- 4
2	1	- 1	1 1	1 1	2 1	2 1	2 1	3 1	3 2	- 2	1 2	- 2
1	-	1	- 1	- 2	- 2	- 2	- 2	- 2	- 2	- 3	- 3	- 3

The 57 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	30	29	28	27	26	25	24	23	22	21	20	19
30	57	-										
29	56	3 57	-									
28	55	3 56	2 57	-								
27	54	2 55	3 56	2 57	-							
26	53	- 54	2 55	3 56	2 57	-						
25	51	3 53	1 54	2 55	2 56	2 57	-					
24	50	- 51	2 52	3 54	1 55	2 56	2 57	-				
23	47	3 49	2 51	1 52	3 54	- 55	1 56	2 57	-			
22	45	3 47	1 49	1 51	- 52	2 53	3 55	1 56	2 57	-		
21	43	2 45	- 46	3 48	3 50	2 52	- 53	2 55	- 56	1 57	-	
20	41	1 42	3 44	2 46	1 48	- 49	3 51	3 53	1 54	3 56	1 57	-
19	38	3 40	2 42	- 43	3 45	2 47	1 49	2 51	2 53	- 54	3 56	1 57
18	36	1 38	- 39	3 41	2 43	1 45	- 46	3 49	- 51	- 53	- 54	2 56
17	33	3 35	1 37	- 38	3 40	2 42	1 44	1 46	- 47	1 50	2 52	2 54
16	31	- 32	2 34	1 35	3 37	2 39	1 41	1 43	1 45	1 47	2 50	- 52
15	28	2 29	3 31	1 32	3 34	2 36	1 38	1 40	1 42	- 44	2 46	3 49
14	26	- 27	1 28	2 30	- 31	2 33	- 35	- 37	- 39	- 41	1 43	2 46
13	23	1 24	2 25	3 27	- 28	2 30	- 31	3 33	2 35	2 37	3 40	- 42
12	20	2 21	3 22	3 24	1 25	2 27	- 28	2 30	- 32	- 34	- 36	1 38
11	18	- 18	3 20	- 21	1 22	2 24	- 25	1 26	2 28	2 30	- 32	1 34
10	15	2 16	1 17	1 18	1 19	2 20	3 22	- 23	1 25	- 26	3 28	2 30
9	13	1 14	- 14	3 15	2 16	2 17	3 18	3 20	- 21	2 22	3 24	3 26
8	11	- 11	3 12	2 13	1 13	3 14	3 15	3 16	3 18	- 19	1 20	2 21
7	9	- 9	2 10	1 10	2 11	1 12	- 12	3 13	3 14	3 15	3 17	- 18
6	7	- 7	2 7	3 8	1 9	- 9	2 10	- 10	3 11	3 12	2 13	1 14
5	5	1 5	2 5	3 6	- 6	2 7	- 7	2 8	- 8	3 9	2 10	1 10
4	3	3 3	3 4	1 4	1 4	2 4	3 5	- 5	2 6	- 6	2 7	- 7
3	2	1 2	2 2	2 2	3 3	- 3	1 2	1 2	1 3	1 3	1 2	2 2
2	1	- 1	1 1	1 1	2 1	2 1	- 2	- 2	- 2	- 2	1 2	2 2
1	-	1	-	2	-	2	-	2	-	2	-	3

The 58 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	30	29	28	27	26	25	24	23	22	21	20	19
30	58	-										
29	57	3 58	-									
28	56	3 57	2 58	-								
27	55	2 56	2 57	2 58	-							
26	54	- 55	2 56	3 57	2 58	-						
25	52	3 54	- 55	1 56	2 57	2 58	-					
24	50	3 52	2 53	3 55	1 56	2 57	2 58	-				
23	48	2 50	2 52	1 53	2 55	- 56	1 57	2 58	-			
22	46	2 48	1 50	1 51	3 53	2 54	3 56	1 57	2 58	-		
21	44	1 46	- 47	2 49	2 51	2 53	- 54	2 56	- 57	1 58	-	
20	42	- 43	2 45	1 47	- 49	- 50	3 52	3 54	1 55	3 57	1 58	-
19	39	2 41	1 42	3 44	2 46	2 48	1 50	1 52	1 54	- 55	2 57	1
18	37	- 38	2 40	2 42	- 44	- 45	3 47	3 49	3 52	- 53	3 55	2 57
17	34	1 36	- 37	2 39	1 41	1 43	- 45	- 47	- 49	- 51	2 53	2 55
16	31	2 33	- 34	3 36	2 38	1 40	- 42	- 44	- 46	- 48	1 50	3 53
15	29	- 30	1 31	3 33	2 35	- 37	- 38	3 41	- 43	- 45	1 47	2 50
14	26	2 27	3 29	- 30	2 32	- 33	3 35	2 37	3 39	3 42	- 44	1 46
13	23	3 25	- 26	1 27	2 29	- 30	2 32	1 34	- 36	- 38	1 40	3 43
12	20	3 22	- 23	1 24	2 26	- 27	2 29	- 30	3 32	2 34	3 37	- 39
11	18	1 19	1 20	1 21	2 23	- 24	1 25	3 27	1 29	- 30	3 32	3 35
10	15	3 16	2 17	2 18	3 19	3 21	- 22	1 23	3 25	2 27	1 29	- 31
9	13	2 14	1 15	- 15	3 16	3 18	- 19	1 20	1 21	3 23	- 25	1 27
8	11	1 12	- 12	2 13	2 14	- 15	- 16	- 17	- 18	1 19	3 21	- 22
7	9	1 9	3 10	1 10	3 11	2 12	- 13	- 14	- 15	- 16	- 17	1 18
6	7	- 7	2 7	3 8	1 9	- 9	3 10	1 11	- 11	3 12	3 13	2 14
5	5	1 5	2 5	3 6	1 6	2 7	1 7	3 8	- 9	3 10	2 11	7
4	3	3 4	- 4	1 4	2 4	2 5	- 5	1 5	2 6	- 6	2 7	- 7
3	2	2 2	2 2	2 2	3 3	- 3	1 3	1 3	3 4	- 4	1 4	2 4
2	1	- 1	1 1	1 1	2 1	2 1	- 2	- 2	- 2	- 2	1 2	2 2
1	-	1	- 2	- 2	- 2	- 2	- 2	- 2	- 3	- 3	- 3	- 3

The 59 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	30	29	28	27	26	25	24	23	22	21	20	19
30	59	-										
29	58	2 59	-									
28	57	3 58	2 59	-								
27	56	2 57	2 58	2 59	-							
26	55	- 56	1 57	3 58	2 59	-						
25	53	2 55	- 56	1 57	2 58	2 59	-					
24	51	3 53	1 54	3 56	- 57	2 58	2 59	-				
23	49	2 51	1 53	- 54	2 55	3 57	1 58	2 59	-			
22	47	2 49	- 51	- 52	3 54	2 55	3 57	1 58	2 59	-		
21	45	- 46	3 48	2 50	2 52	1 54	- 55	2 57	- 58	1 59	-	
20	42	3 44	1 46	1 48	- 49	3 51	2 53	2 55	1 56	3 58	1 59	-
19	40	1 41	3 43	3 45	2 47	1 49	- 51	1 53	1 55	- 56	3 58	1 59
18	37	3 39	1 41	1 42	3 44	3 46	2 48	2 50	3 52	3 54	3 56	2 58
17	34	3 36	2 38	1 40	- 42	- 43	3 45	3 47	3 50	- 52	1 54	2 56
16	32	- 33	2 35	2 37	- 39	- 40	3 42	3 44	3 47	- 49	1 51	3 54
15	29	2 30	3 32	2 34	- 35	3 37	3 39	2 41	3 43	3 46	- 48	1 51
14	27	- 28	1 29	2 31	- 32	2 34	1 36	1 38	1 40	2 42	3 45	- 47
13	24	1 25	1 26	2 28	- 29	2 31	- 32	3 34	3 36	3 39	- 41	2 44
12	21	- 22	1 23	2 25	- 26	2 28	- 29	2 31	1 33	- 35	1 37	2 40
11	18	2 19	2 20	3 22	- 23	1 24	3 26	1 27	3 29	2 31	1 33	2 36
10	16	- 17	- 17	3 19	- 20	- 21	1 22	3 24	- 20	- 27	3 29	2 31
9	13	3 14	2 15	1 16	1 17	- 18	1 19	2 20	2 22	1 23	2 25	2 27
8	11	2 12	1 12	3 13	2 14	1 15	1 16	1 17	1 18	2 20	- 21	1 22
7	9	1 9	3 10	2 11	- 11	3 12	1 13	1 14	1 15	1 16	1 17	2 18
6	7	- 7	2 8	- 8	2 9	1 10	- 10	2 11	1 12	- 13	- 13	3 14
5	5	1 5	2 6	- 6	1 6	3 7	1 7	3 8	1 9	- 9	3 10	2 11
4	4	- 4	- 4	1 4	2 4	2 5	- 5	1 5	3 6	1 6	2 7	1 7
3	2	2 2	2 2	3 3	- 3	- 3	1 3	1 3	3 4	- 4	1 4	2 4
2	1	- 1	1 1	2 1	2 1	2 1	1 3	1 3	2 2	- 2	1 2	2 2
1	-	1	- 2	- 2	- 2	- 2	- 2	- 2	- 2	- 3	- 3	- 3

The 60 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	30	29	28	27	26	25	24	23	22	21	20	19
30	60	—										
29	59	2 60	—									
28	58	3 59	2 60	—								
27	57	1 58	2 59	2 60	—							
26	56	— 57	1 58	2 59	2 60	—						
25	54	2 55	3 57	1 58	2 59	2 60	—					
24	52	2 54	1 55	2 57	— 58	1 59	2 60	—				
23	50	1 52	1 54	— 55	2 56	3 58	1 59	2 60	—			
22	48	1 49	3 52	— 53	3 55	1 56	2 58	— 59	2 60	—		
21	45	3 47	2 49	1 51	1 53	1 54	3 56	2 58	— 59	1 60	—	
20	43	1 45	— 47	— 48	3 50	3 52	2 54	2 56	— 57	3 59	1 60	—
19	41	— 42	2 44	2 46	1 48	— 49	3 52	— 54	1 56	— 57	2 59	1 60
18	38	1 40	— 41	3 43	2 45	2 47	2 49	1 51	3 53	3 55	2 57	1 59
17	35	2 37	1 38	3 40	3 42	2 44	2 46	2 48	2 50	3 53	1 55	1 57
16	32	2 34	1 36	— 37	3 39	2 41	2 43	2 45	3 47	3 50	— 52	2 55
15	30	— 31	2 33	— 34	2 36	2 38	1 40	2 42	1 44	2 47	— 49	— 52
14	27	2 28	2 30	— 31	2 33	— 35	— 37	— 39	— 41	— 43	1 46	— 48
13	24	2 25	3 27	— 28	2 30	— 31	2 33	1 35	1 37	2 39	2 42	— 44
12	21	2 22	3 24	— 25	2 27	— 28	2 30	— 31	3 33	2 35	3 38	1 41
11	19	— 19	3 21	— 22	1 23	2 25	— 26	2 28	1 30	— 31	3 34	— 36
10	16	2 17	1 18	1 19	1 20	2 21	2 23	— 24	2 26	2 28	1 30	— 32
9	14	— 14	3 15	2 16	2 17	2 18	2 19	2 21	— 22	2 24	— 26	— 27
8	11	3 12	1 13	— 13	3 14	2 15	2 16	2 17	2 18	3 20	1 21	3 22
7	9	2 10	— 10	2 11	1 12	— 12	2 13	2 14	1 15	2 16	3 17	3 19
6	7	1 7	3 8	— 8	3 9	1 10	1 10	3 11	2 12	1 13	— 14	— 15
5	5	2 5	3 6	— 6	1 6	3 7	1 8	— 8	1 9	1 10	— 10	3 11
4	4	— 4	1 4	2 4	2 4	2 5	— 5	2 5	3 6	1 6	3 7	2 8
3	2	2 2	3 2	3 3	— 1	3 1	1 3	1 3	2 4	— 2	1 2	2 2
2	1	1 1	1 1	1 2	1 2	1 2	1 3	1 3	2	— 2	— 3	2 2
1	—	1	—	2	—	2	—	2	—	3	—	3

The 61 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	30	29	28	27	26	25	24	23	22	21	20	19
30	61	-										
29	50	261	-									
28	59	260	261	-								
27	58	159	260	261	-							
26	56	358	159	260	261	-						
25	55	256	358	159	260	261	-					
24	53	255	-56	258	-59	160	261	-				
23	51	153	-55	-56	157	359	-60	161	-			
22	49	-50	352	354	256	157	259	-60	161	-		
21	46	248	150	-52	-54	-55	357	158	360	161	-	
20	44	-45	347	349	251	253	255	257	-58	360	161	-
19	41	243	145	-47	-48	350	252	355	-56	358	260	161
18	38	340	242	244	146	148	150	-52	254	256	258	160
17	36	-37	339	241	143	145	-47	149	151	254	-56	158
16	33	134	336	238	140	142	-44	-46	248	251	-53	256
15	30	232	-33	235	-37	-38	341	-43	-45	-47	350	-53
14	27	329	-30	232	-33	335	237	239	241	344	-46	349
13	25	-26	127	229	-30	232	-33	336	-38	-40	142	345
12	21	323	124	226	-27	129	-30	232	134	-36	238	341
11	19	120	121	222	324	-25	227	-28	330	232	134	237
10	16	317	218	219	320	322	123	225	-26	328	330	232
9	14	115	-15	316	317	319	-20	-21	123	-24	226	228
8	12	-12	213	114	-14	315	316	318	-19	120	322	-23
7	9	210	111	-11	112	112	313	214	215	317	-18	119
6	7	17	38	18	39	210	110	311	212	213	114	115
5	5	25	36	-6	17	-7	28	-8	19	210	-11	-11
4	4	-4	14	24	34	35	15	26	-6	26	37	28
3	2	22	32	33	-3	13	13	24	-4	14	24	35
2	1	11	21	21	22	12	13	22	-2	12	22	22
1	-	1	-	2	-	2	-	2	-	3	-	3

The 62 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	30	29	28	27	26	25	24	23	22	21	20	19
30	62	—										
29	61	2 62	—									
28	60	2 61	2 62	—								
27	59	1 60	2 61	2 62	—							
26	57	3 59	1 60	2 61	2 62	—						
25	56	1 57	3 59	— 60	2 61	2 62	—					
24	54	1 56	— 57	2 59	— 60	1 61	2 62	—				
23	52	— 54	— 55	3 57	1 58	3 60	— 61	1 62	—			
22	49	3 51	2 53	2 55	2 57	— 58	2 60	— 61	1 62	—		
21	47	2 49	— 51	— 53	— 55	— 56	2 58	1 59	3 61	1 62	—	
20	44	3 46	2 48	2 50	1 52	2 54	1 56	1 58	— 59	2 61	1 62	—
19	42	1 44	— 45	3 47	3 49	2 51	2 53	3 56	— 57	2 59	2 61	1 62
18	39	2 41	1 43	1 45	— 47	— 49	— 51	— 53	1 55	2 57	2 59	1 61
17	36	2 38	2 40	1 42	— 44	— 46	— 48	— 50	— 52	2 55	— 57	— 59
16	33	3 35	1 37	1 39	— 41	— 42	3 44	3 47	1 49	1 51	3 54	1 57
15	31	— 32	2 34	— 35	3 37	2 39	2 41	2 43	3 46	— 48	2 51	— 53
14	28	1 29	2 31	— 32	2 34	1 36	— 38	— 40	1 42	2 44	3 47	2 50
13	25	2 26	3 28	— 29	2 31	— 32	3 34	2 36	2 38	2 41	— 43	3 46
12	22	1 23	2 24	3 26	1 27	3 29	1 31	— 32	3 34	3 37	— 39	2 42
11	19	2 20	2 21	3 23	— 24	2 26	— 27	2 29	— 31	— 32	3 35	2 38
10	17	— 17	3 18	3 20	— 21	— 22	2 23	3 25	2 27	1 29	1 31	— 33
9	14	2 15	1 16	— 17	— 18	— 19	1 20	1 21	2 23	1 24	3 26	2 28
8	12	1 12	3 13	2 14	1 15	— 16	— 17	1 18	1 19	2 21	— 22	1 23
7	9	3 10	2 11	— 11	2 12	2 13	— 13	3 14	3 16	— 17	1 18	1 19
6	7	2 8	0 8	2 9	— 9	2 10	2 11	— 11	3 12	3 13	2 14	2 15
5	5	2 6	— 6	1 6	2 7	— 7	2 8	1 8	2 9	2 10	1 10	3 11
4	4	— 4	1 4	2 4	3 4	3 5	1 5	3 6	— 6	2 7	— 7	2 8
3	2	2 2	3 2	3 3	— 3	1 3	2 3	2 4	— 4	1 4	2 4	3 5
2	1	1 1	1 2	1 2	1 2	1 2	1 3	1 3	2 2	1 2	2 2	2 3
1	— 1	— 2	— 2	— 2	— 2	— 2	— 2	— 2	— 3	— 3	— 3	— 3

The 63 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	31	30	29	28	27	26	25	24	23	22	21	20
31	63	-										
30	62	263	-									
29	61	362	263	-								
28	60	261	262	263	-							
27	58	360	161	262	263	-						
26	57	258	360	-61	262	263	-					
25	55	257	158	260	-61	162	263	-				
24	53	255	157	-58	259	361	162	263	-			
23	51	152	354	356	358	159	261	-62	163	-		
22	48	350	252	254	256	158	-59	261	-62	163	-	
21	46	248	149	351	353	355	357	259	-60	362	163	-
20	44	-45	247	149	151	153	155	157	259	-60	262	163
19	41	142	344	246	248	250	252	154	256	358	260	162
18	38	240	142	-43	345	347	349	351	354	156	158	160
17	35	237	139	-40	342	344	346	348	351	-53	155	358
16	32	334	135	337	339	241	243	245	248	-50	-52	255
15	30	131	233	-34	236	138	140	-42	144	246	349	151
14	27	128	230	-31	233	-34	336	238	341	-43	-45	248
13	24	225	327	128	230	-31	233	135	-37	-39	141	244
12	21	222	224	-25	126	328	129	331	233	135	137	340
11	19	-20	-20	322	-23	224	326	128	-29	231	233	136
10	16	217	118	119	120	121	222	324	125	327	329	231
9	14	-14	315	216	117	118	119	220	322	-23	325	127
8	11	312	113	-13	314	215	116	117	118	219	321	122
7	9	210	-10	211	111	212	213	114	-15	-16	117	218
6	7	17	28	-8	29	-9	9	310	211	112	-12	313
5	5	25	36	-6	16	27	17	38	18	29	310	211
4	4	04	14	14	24	35	-5	25	36	-6	27	-7
3	2	22	32	33	-3	-3	13	23	34	-4	24	25
2	1	11	11	12	12	12	12	13	22	-2	22	22
1	-	1	-2	-2	-2	-2	-2	-2	-3	-3	-3	-3

The 64 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	31	30	29	28	27	26	25	24	23	22	21	20
31	64	-										
30	63	2 64	-									
29	62	3 63	2 64	-								
28	61	2 62	2 63	2 64	-							
27	59	3 61	- 62	2 63	2 64	-						
26	58	2 59	2 61	- 62	2 63	2 64	-					
25	56	2 58	- 59	2 61	- 62	1 63	2 64	-				
24	54	1 56	- 57	3 59	1 60	3 62	1 63	2 64	-			
23	52	- 53	2 55	2 57	2 59	- 60	2 62	- 63	1 64	-		
22	49	3 51	2 53	1 55	1 57	1 59	- 60	2 62	- 63	1 64	-	
21	47	1 49	- 50	3 52	2 54	2 56	3 58	2 60	- 61	3 63	1 64	-
20	44	3 46	1 48	- 50	- 52	- 54	- 56	- 58	- 59	3 61	2 63	1 64
19	42	- 43	2 45	1 47	1 49	1 51	1 53	1 55	2 57	3 59	2 61	1 63
18	39	- 40	3 42	2 44	2 46	2 48	2 50	2 52	2 55	- 57	- 59	1 61
17	36	1 37	3 39	2 41	2 43	1 45	1 47	2 49	2 51	3 54	- 56	2 58
16	33	2 34	3 36	2 38	1 40	1 42	1 44	1 46	1 48	2 51	- 53	1 56
15	30	2 32	- 33	2 35	- 36	3 38	3 40	3 42	3 45	- 47	2 50	- 52
14	27	2 29	- 30	2 32	- 33	2 35	1 37	1 39	1 41	2 43	3 46	1 49
13	25	- 26	1 27	2 29	- 30	2 32	- 33	3 35	2 37	3 39	3 42	1 45
12	21	3 23	- 24	1 25	3 27	1 28	3 30	1 32	- 33	3 35	3 38	1 41
11	19	1 20	1 21	1 22	2 23	3 25	1 26	3 28	2 30	- 32	- 33	3 36
10	16	3 17	2 18	2 19	2 20	3 21	3 23	1 24	3 26	- 28	1 30	- 32
9	14	1 15	- 15	3 16	2 17	2 18	3 19	3 21	- 22	2 24	1 25	3 27
8	12	- 12	2 13	1 13	3 14	3 15	2 16	2 17	2 18	3 20	1 21	3 23
7	9	2 10	1 10	3 11	1 11	3 12	3 13	2 14	1 15	1 16	2 17	3 18
6	7	2 7	3 8	1 8	3 9	1 10	- 10	3 11	1 12	- 13	- 14	- 14
5	5	2 5	3 6	1 6	2 6	3 7	1 7	3 8	2 8	3 9	3 10	2 11
4	4	- 4	1 4	2 4	2 5	- 5	- 5	2 5	3 6	1 6	3 7	1 7
3	2	2 2	3 2	3 3	- 3	1 3	2 3	2 3	3 4	- 4	2 4	3 5
2	1	1 1	1 1	2 1	2 1	1 2	1 2	1 3	2 2	1 2	2 2	3 2
1	-	1 -	2 -	2 -	2 -	2 -	2 -	2 -	3 -	3 -	3 -	3 -

The 65 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	31	30	29	28	27	26	25	24	23	22	21	20
31	65	-										
30	64	2 65	-									
29	63	3 64	2 65	-								
28	62	2 63	2 64	2 65	-							
27	60	3 62	- 63	2 64	2 65	-						
26	59	2 60	2 62	- 63	2 64	2 65	-					
25	57	1 59	- 60	2 62	- 63	1 64	2 65	-				
24	55	- 57	- 58	2 60	1 61	3 63	1 64	2 65	-			
23	52	3 54	2 56	2 58	2 60	- 61	2 63	- 64	1 65	-		
22	50	2 52	1 54	- 56	1 58	- 59	3 61	1 63	- 64	1 65	-	
21	48	- 49	3 51	2 53	2 55	2 57	2 59	1 61	- 62	3 64	1 65	-
20	45	2 47	- 48	3 51	- 52	3 55	- 56	3 59	- 60	3 62	2 64	1 65
19	42	2 44	1 46	- 48	- 50	- 52	- 54	- 56	1 58	3 60	1 62	1 64
18	39	3 41	2 43	1 45	1 47	1 49	1 51	2 53	2 56	- 58	1 60	- 62
17	36	3 38	1 40	1 42	- 44	- 46	- 48	- 50	2 52	2 55	1 57	2 59
16	33	3 35	1 37	- 38	3 40	3 42	3 44	3 47	- 49	2 51	3 54	1 57
15	31	1 32	2 34	- 35	3 37	2 39	1 41	2 43	2 46	- 48	1 50	3 53
14	28	- 29	2 31	- 32	2 34	- 36	- 37	3 40	- 42	1 44	2 47	- 49
13	25	1 26	2 28	- 29	1 31	1 32	2 34	1 36	- 38	1 40	2 43	- 45
12	22	1 23	1 24	3 26	1 27	2 29	- 30	3 32	2 34	1 36	1 38	3 41
11	19	2 20	2 21	2 22	3 24	1 25	3 27	1 29	- 30	2 32	2 34	1 37
10	17	- 17	3 18	3 19	3 21	- 22	1 23	2 25	- 26	3 28	2 30	2 32
9	14	2 15	1 16	- 16	3 17	3 19	- 20	- 21	2 22	3 24	2 26	1 28
8	12	- 12	3 13	2 14	- 15	- 15	3 16	3 17	3 19	- 20	2 22	- 23
7	9	3 10	1 11	- 11	2 12	- 13	- 13	2 14	2 15	2 16	3 18	- 19
6	7	3 7	3 8	2 8	3 9	2 10	- 11	1 11	2 12	1 13	1 14	1 15
5	5	2 6	- 6	1 6	2 6	3 7	2 8	- 8	2 9	1 10	1 10	1 11
4	4	- 4	1 4	2 4	3 5	- 5	2 5	3 6	1 6	1 7	1 7	1 8
3	2	2 2	3 3	- 3	1 3	1 3	2 3	2 3	2 2	2 2	2 2	2 3
2	1	1 1	1 1	2 1	2 1	2 1	2 1	2 1	2 1	1 2	1 2	1 3
1	-	1 -	2 -	2 -	2 -	2 -	2 -	2 -	3 -	3 -	3 -	3 -

The 66 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	31	30	29	28	27	26	25	24	23	22	21	20
31	66	-										
30	65	2 66	-									
29	64	2 65	2 66	-								
28	63	1 64	2 65	2 66	-							
27	61	3 63	- 64	2 65	2 66	-						
26	60	1 61	2 63	- 64	2 65	2 66	-					
25	58	1 60	- 61	2 62	3 64	1 65	2 66	-				
24	56	- 57	3 59	2 61	1 62	3 64	- 65	2 66	-			
23	53	2 55	1 57	1 59	1 61	- 62	2 64	- 65	1 66	-		
22	51	1 53	- 54	3 57	- 59	- 60	3 62	1 64	- 65	1 66	-	
21	48	3 50	2 52	1 54	1 56	1 58	2 60	1 62	- 63	3 65	1 66	-
20	46	1 47	3 49	2 51	3 53	2 55	3 57	3 60	- 61	3 63	2 65	1 66
19	43	1 45	- 46	3 48	3 50	3 53	- 54	3 57	1 59	2 61	1 63	1 65
18	40	2 42	- 43	3 46	- 48	- 50	- 52	1 54	1 57	- 59	- 61	- 63
17	37	1 39	- 41	- 42	3 44	3 46	3 49	- 51	1 53	2 55	3 58	2 60
16	34	2 35	3 37	- 2 39	2 41	2 43	2 45	2 47	3 50	1 52	2 55	- 57
15	31	2 33	- 34	2 36	1 38	- 40	- 42	- 44	1 46	3 48	3 51	2 54
14	28	2 30	- 31	2 33	- 34	2 36	2 38	1 40	2 42	3 45	- 47	3 50
13	25	2 27	- 28	1 29	3 31	2 33	- 34	3 36	2 38	3 41	- 43	2 46
12	22	2 23	3 25	- 26	2 28	- 29	2 31	1 33	- 35	- 37	- 39	2 42
11	19	3 20	3 22	- 23	1 24	2 26	- 27	3 29	1 31	- 33	- 35	- 37
10	17	1 18	- 19	- 20	- 21	1 22	2 24	- 25	1 27	1 29	- 31	- 33
9	14	3 15	2 16	1 17	- 18	- 19	1 20	2 21	3 23	1 24	3 26	2 28
8	12	1 13	- 13	2 14	1 15	1 16	- 17	- 18	1 19	1 20	3 22	2 23
7	10	- 10	2 11	- 11	3 12	1 13	- 13	3 14	3 15	3 17	1 18	1 19
6	7	3 8	- 8	2 9	- 9	2 10	1 11	1 11	3 12	2 13	2 14	2 15
5	5	3 6	- 6	2 6	2 7	- 7	2 8	1 8	3 9	- 10	1 11	- 11
4	4	1 4	1 4	2 4	3 5	-	5 1	5 3	6	2	7	2 8
3	2	2 2	3 3	- 3	- 3	1	3 2	3 3	3 4	1	4	3 5
2	1	1 1	1 1	2 1	2 1	2 1	3 2	-	2	1	2	2 3
1	-	2	- 2	- 2	- 2	- 2	- 2	-	3	- 3	3	- 3

The 67 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	31	30	29	28	27	26	25	24	23	22	21	20
31	67	-										
30	66	2 67	-									
29	65	2 66	2 67	-								
28	64	1 65	2 66	2 67	-							
27	62	2 64	- 65	1 66	2 67	-						
26	61	1 62	2 64	- 65	2 66	2 67	-					
25	59	- 60	3 62	1 63	3 65	1 66	2 67	-				
24	56	3 58	2 60	2 62	- 63	3 65	- 66	2 67	-			
23	54	2 56	1 58	1 60	1 61	3 63	2 65	- 66	1 67	-		
22	52	- 53	3 55	3 58	- 59	3 61	2 63	1 64	3 66	1 67	-	
21	49	2 51	1 53	1 55	- 57	1 59	1 61	1 63	- 64	3 66	1 67	-
20	47	- 48	2 50	1 52	2 54	2 56	2 58	2 61	- 62	2 64	2 66	1 67
19	43	2 45	2 47	2 49	2 51	2 53	3 55	2 58	- 60	2 62	1 64	1 66
18	41	- 42	3 44	2 46	3 48	3 50	3 53	- 55	- 57	3 59	3 62	- 64
17	37	3 39	2 41	2 43	2 45	1 47	2 49	2 52	- 54	1 56	3 59	1 61
16	35	- 36	2 38	1 40	- 42	- 44	- 46	1 48	2 51	- 53	1 55	3 58
15	32	- 33	2 35	- 36	3 38	2 40	2 42	3 44	3 47	2 49	2 52	1 55
14	29	- 30	2 32	- 33	2 35	1 37	- 39	- 41	1 43	2 45	3 48	2 51
13	26	- 27	2 28	3 30	1 31	3 33	2 35	1 37	1 39	2 41	3 44	1 47
12	23	- 24	- 25	2 26	3 28	2 30	- 31	3 33	2 35	2 37	2 40	- 42
11	20	- 21	1 22	1 23	2 25	- 26	2 28	- 29	3 31	2 33	2 35	2 38
10	17	2 18	1 19	1 20	1 21	3 23	- 24	1 25	3 27	2 29	2 31	2 33
9	15	- 15	3 16	2 17	1 18	1 19	2 20	3 22	- 23	2 25	1 27	- 28
8	12	2 13	1 13	3 14	2 15	2 16	1 17	1 18	2 19	2 21	1 22	3 24
7	10	- 10	2 11	1 12	- 12	2 13	1 14	- 15	- 16	- 17	2 18	2 19
6	7	3 8	- 8	2 9	- 9	3 10	2 11	1 12	- 12	3 13	2 14	3 15
5	5	3 6	- 6	2 6	3 7	- 7	2 8	1 9	- 9	1 10	1 11	1 11
4	4	1 4	2 4	2 4	3 5	1 5	1 5	3 6	- 6	2 7	1 7	2 8
3	2	2 3	- 3	- 3	1 3	1 3	2 3	3 4	- 4	2 4	3 4	3 5
2	1	1 1	1 1	2 1	2 1	3 1	3 2	- 2	- 2	1 2	2 2	3 2
1	-	2	- 2	- 2	- 2	- 2	- 2	- 2	- 3	- 3	- 3	- 3

The 68 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	31	30	29	28	27	26	25	24	23	22	21	20
31	68	-										
30	67	2 68	-									
29	66	2 67	2 68	-								
28	65	1 66	2 67	2 68	-							
27	63	2 65	- 66	1 67	2 68	-						
26	62	- 63	1 65	- 66	2 67	2 68	-					
25	60	- 61	3 63	1 64	3 66	1 67	2 68	-				
24	57	2 59	2 61	2 63	- 64	2 66	- 67	1 68	-			
23	55	1 57	- 59	- 61	1 62	3 64	1 65	3 67	1 68	-		
22	52	3 54	3 56	2 58	3 60	3 62	2 64	1 65	3 67	1 68	-	
21	50	1 52	- 54	- 56	- 58	- 60	1 62	1 64	- 65	3 67	1 68	-
20	47	3 49	1 51	1 53	1 55	1 57	2 59	2 61	3 63	2 65	2 67	1 68
19	44	2 46	1 48	1 50	1 52	2 54	2 56	2 59	- 61	2 63	1 65	1 67
18	41	3 43	1 45	1 47	2 49	2 51	3 53	3 56	- 58	2 60	3 63	- 65
17	38	2 40	1 42	1 44	- 46	- 48	1 50	2 52	3 55	1 57	2 60	1 62
16	35	2 37	- 38	3 40	3 42	3 44	3 47	- 49	1 51	3 54	- 56	3 59
15	32	2 34	- 35	2 37	1 39	- 41	1 43	1 45	2 48	- 50	1 53	1 56
14	29	1 31	- 32	2 34	- 35	3 37	2 39	2 41	3 44	1 46	2 49	- 52
13	26	1 27	3 29	1 30	3 32	1 34	- 35	3 37	3 40	- 42	1 45	- 48
12	23	1 24	2 25	3 27	1 29	- 30	2 32	1 34	- 36	- 38	- 40	3 43
11	20	1 21	2 22	2 23	3 25	1 26	3 28	2 30	1 32	- 34	- 36	- 38
10	17	3 18	2 19	2 20	2 22	- 23	1 24	3 26	1 28	- 30	- 32	- 34
9	15	1 16	- 16	3 17	2 18	2 19	3 21	- 22	1 23	3 25	2 27	1 29
8	12	2 13	1 14	- 14	3 15	2 16	1 17	2 18	3 19	3 21	2 23	- 24
7	10	1 10	3 11	2 12	- 12	2 13	2 14	1 15	1 16	1 17	3 18	3 20
6	8	- 8	1 8	3 9	1 10	- 10	2 11	2 12	- 12	3 13	3 14	3 15
5	6	- 6	1 6	2 6	3 7	1 7	3 8	2 9	- 9	2 10	2 11	1 11
4	4	1 4	2 4	2 5	- 5	1 5	2 5	3 6	1 6	2 7	1 7	3 8
3	2	2 3	- 3	- 3	1 3	1 3	2 3	3 4	- 4	2 4	3 5	- 5
2	1	1 1	1 1	2 1	2 1	3 1	3 2	- 2	- 2	1 2	2 2	3 2
1	-	2	- 2	- 2	- 2	- 2	- 2	- 3	- 3	- 3	- 3	- 3

The 69 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	31	30	29	28	27	26	25	24	23	22	21	20
31	69	-										
30	68	2 69	-									
29	67	2 68	2 69	-								
28	66	1 67	2 68	2 69	-							
27	64	2 66	- 67	1 68	2 69	-						
26	63	- 64	1 65	3 67	2 68	2 69	-					
25	61	- 62	3 64	1 65	3 67	1 68	2 69	-				
24	58	2 60	2 62	1 64	- 65	2 67	- 68	1 69	-			
23	56	- 57	3 60	- 62	- 63	3 65	1 66	3 68	1 69	-		
22	53	2 55	2 57	1 59	2 61	3 63	2 65	1 66	3 68	1 69	-	
21	51	- 52	3 54	3 56	3 59	- 61	1 63	- 65	- 66	3 68	1 69	-
20	48	2 49	3 52	- 54	- 56	- 58	1 60	2 62	3 64	2 66	2 68	1 69
19	45	1 47	- 49	- 51	- 53	1 55	1 57	1 59	3 62	1 64	1 66	- 68
18	42	1 44	- 46	- 48	- 50	1 52	2 54	2 56	3 59	2 61	2 64	- 66
17	39	- 40	3 42	3 44	3 46	3 49	- 51	1 53	2 56	- 58	2 61	- 63
16	36	- 37	2 39	1 41	1 43	1 45	2 47	3 50	- 52	2 55	- 57	2 60
15	33	- 34	2 36	- 37	3 39	3 41	3 44	- 46	1 48	3 51	- 54	- 57
14	29	3 31	1 33	- 34	2 36	1 38	- 40	- 42	2 44	3 47	1 50	- 52
13	26	3 28	1 29	3 31	- 32	3 34	2 36	2 38	1 40	3 43	- 45	2 48
12	23	2 24	3 26	1 27	2 29	1 31	- 32	2 34	2 36	2 38	2 41	1 44
11	20	3 21	3 22	3 24	1 25	2 27	1 29	- 30	3 32	2 34	2 36	2 39
10	18	- 19	- 19	3 21	- 22	1 23	2 25	- 26	2 28	1 30	1 32	2 34
9	15	1 16	- 17	- 17	3 18	3 20	- 21	1 22	2 24	1 26	- 27	2 29
8	12	3 13	2 14	1 15	- 15	3 16	2 17	3 19	- 20	1 21	3 23	1 24
7	10	1 11	- 11	2 12	1 12	3 13	3 14	2 15	2 16	1 17	3 19	- 20
6	8	- 8	1 9	- 9	2 10	- 10	3 11	2 12	1 13	- 14	- 15	- 16
5	6	- 6	1 6	2 6	3 7	1 7	3 8	2 9	1 9	2 10	2 11	2 12
4	4	1 4	2 4	2 5	- 5	1 5	2 6	- 6	1 6	2 7	1 7	3 8
3	2	3 3	- 3	- 3	1 3	2 3	3 3	3 3	4	2 4	3 5	- 5
2	1	1 1	2 1	2 1	2 1	3 1	3 2	- 2	1 2	2 2	3 2	3 3
1	-	2	-	2	-	2	-	2	-	3	-	3

The 70 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	31	30	29	28	27	26	25	24	23	22	21	20
31	70	-										
30	69	270	-									
29	68	269	270	-								
28	67	168	269	270	-							
27	65	267	-68	169	270	-						
26	64	-65	166	368	169	270	-					
25	61	363	265	166	368	-69	270	-				
24	59	161	163	165	-66	268	-69	170	-			
23	56	358	260	363	-64	266	167	369	170	-		
22	54	256	158	160	262	264	266	-67	369	170	-	
21	51	353	255	257	259	362	-64	-65	367	269	170	-
20	49	-50	352	254	356	359	-61	163	265	267	169	170
19	45	347	349	351	354	-56	-58	160	263	165	-67	-69
18	42	344	246	248	351	-53	155	157	260	162	265	-67
17	39	241	143	245	147	249	352	-54	156	359	-62	-64
16	36	238	-40	-42	-44	-46	-48	250	353	155	358	161
15	33	235	-36	238	140	142	244	247	-49	252	-54	357
14	30	131	333	235	-36	338	340	343	-45	248	-50	253
13	27	128	230	-31	233	135	-37	-38	341	143	246	149
12	24	-25	126	228	-29	331	133	-35	-37	-39	-41	344
11	21	-22	-23	124	225	327	229	131	-33	-35	-37	-40
10	18	119	120	-21	122	223	325	226	328	330	332	335
9	15	216	117	118	-19	-20	121	222	324	226	128	-30
8	13	-13	214	215	116	-16	318	-19	120	222	-23	325
7	10	211	-111	312	113	-14	-14	315	216	218	-19	220
6	8	-8	29	-9	210	111	-11	312	213	114	115	116
5	6	-6	16	37	-7	27	38	29	19	310	311	312
4	4	24	24	35	-5	15	26	-6	16	37	28	-8
3	2	33	-3	13	13	23	33	34	-4	24	35	-5
2	1	11	21	21	21	32	-2	-2	12	22	33	-3
1	-	2	-2	-2	-2	-2	-2	-3	-3	-3	-3	-3

The 71 Gallon Cask, whose Bung Diameter dips in Inches, viz,

	31	30	29	28	27	26	25	24	23	22	21	20
31	71	-										
30	70	271	-									
29	69	270	271	-								
28	68	169	170	271	-							
27	66	267	369	170	271	-						
26	65	-66	167	369	-70	271	-					
25	62	364	266	-67	369	-70	271	-				
24	60	-62	164	-65	367	269	-70	171	-			
23	57	359	261	263	365	267	168	370	171	-		
22	55	157	-59	-61	263	265	167	-68	370	171	-	
21	52	254	156	158	160	263	-65	-66	368	270	171	-
20	49	351	253	155	257	259	362	164	266	268	170	171
19	46	248	150	152	254	356	359	-61	264	-66	-68	-70
18	43	145	147	149	251	254	-56	-58	161	-63	265	368
17	40	-42	-44	-46	-48	-50	252	255	-57	260	-63	-65
16	37	-38	240	242	244	246	349	-51	254	-56	259	-62
15	34	-35	237	-38	341	-43	-45	-47	250	-52	255	258
14	30	332	134	-35	237	139	141	143	246	-48	251	154
13	27	329	-30	232	-33	335	237	239	241	344	-47	-50
12	24	125	227	-28	230	-31	333	235	237	239	342	245
11	21	122	223	225	-26	128	-29	331	233	235	237	240
10	18	219	220	221	223	-24	126	-27	229	131	133	135
9	15	316	217	218	119	120	221	323	124	326	328	230
8	13	113	314	315	216	117	-18	119	220	322	124	-25
7	10	311	112	-12	213	114	115	-16	-17	-18	119	320
6	8	-8	29	19	210	111	112	-12	313	214	215	216
5	6	-6	26	37	-7	28	-8	39	29	311	-11	312
4	4	24	34	35	15	25	26	-6	26	37	28	28
3	2	33	-3	13	13	23	33	34	14	25	-5	5
2	1	11	21	21	13	22	-2	-2	12	22	33	-3
1	-	2-	2-	2-	2-	2-	2-	3-	3-	3-	3-	3-

The 72 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	31	30	29	28	27	26	25	24	23	22	21	20
31	72	-										
30	71	272	-									
29	70	271	272	-								
28	69	170	171	272	-							
27	67	268	370	171	272	-						
26	65	367	-68	270	171	272	-					
25	63	265	167	-66	368	270	-71	272	-			
24	61	-63	-65	-66	366	168	-69	371	172	-		
23	58	260	162	264	366	168	-69	371	172	-		
22	56	-57	359	362	164	166	168	-69	371	172	-	
21	53	155	-57	-59	-61	263	365	367	369	271	172	-
20	50	252	154	-56	258	260	363	-65	267	169	171	172
19	47	149	-51	-53	155	257	259	362	265	-67	-69	-71
18	44	-46	-48	-50	152	154	357	-59	-62	-64	266	368
17	40	342	244	246	348	351	153	256	-58	161	-64	-66
16	37	239	-41	-43	145	147	249	352	154	357	160	-63
15	34	236	-37	239	241	243	245	348	151	-53	156	159
14	31	-32	334	236	-37	339	341	344	146	349	152	-55
13	28	-29	230	332	234	136	-38	-40	-42	244	347	250
12	24	225	327	128	330	232	134	-36	-38	-40	143	-46
11	21	222	323	325	126	228	230	131	334	-36	-38	-41
10	18	319	320	321	323	124	226	127	329	231	233	336
9	16	-16	317	318	219	220	322	-23	225	127	128	331
8	13	114	-15	-15	216	217	118	219	321	-22	324	125
7	11	-11	212	112	313	214	215	-16	-17	118	220	-21
6	8	18	39	29	310	211	112	112	313	214	315	316
5	6	16	27	-7	17	28	-8	39	210	-11	-12	-12
4	4	24	34	35	15	25	36	-6	26	37	28	-8
3	2	33	-3	13	13	23	33	4	-4	14	25	-5
2	1	11	21	21	31	13	22	-2	-2	12	22	33
1	-	2	-2	-2	-2	-2	-2	-3	-3	-3	-3	-3

The 73 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	31	30	29	28	27	26	25	24	23	22	21	20
31	73	—										
30	72	273	—									
29	71	272	273	—								
28	70	—71	172	273	—							
27	68	169	371	172	273	—						
26	66	368	—69	271	172	273	—					
25	64	266	168	—69	271	—72	273	—				
24	61	364	—66	—67	369	271	—72	173	—			
23	59	161	163	265	367	169	—70	372	173	—		
22	56	358	260	363	165	—67	169	—70	372	173	—	
21	54	—55	358	—60	—62	264	366	368	270	272	173	—
20	51	153	—55	—57	159	—61	264	—66	168	170	172	173
19	47	349	351	354	—56	158	260	263	166	—68	—70	—72
18	44	346	248	251	—53	—55	257	360	—63	—65	167	369
17	41	—43	—45	147	149	252	—54	156	359	—61	364	367
16	38	—39	341	243	345	348	150	253	—55	258	—61	—64
15	35	—36	238	140	—42	—44	146	249	—51	254	—57	—60
14	31	—33	—34	336	238	140	142	244	347	250	—52	356
13	28	130	—31	133	—34	336	238	240	243	—45	248	151
12	25	—26	127	329	131	—32	334	236	238	241	—43	246
11	21	323	—24	125	227	—28	330	232	134	136	238	241
10	19	—20	—21	—22	—23	224	326	228	130	—32	—34	136
9	16	117	—18	—18	319	321	—22	223	325	227	229	131
8	13	214	115	—15	316	317	218	320	—21	123	—24	326
7	11	—11	212	113	—13	314	215	116	117	118	320	121
6	8	28	39	29	310	211	212	113	—13	314	316	—17
5	6	16	27	—7	17	38	19	—9	310	—11	112	—12
4	4	24	35	—5	15	35	35	16	27	—7	3	18
3	2	33	13	13	23	23	24	—4	14	25	—5	15
2	1	11	12	13	13	2	—2	—2	12	22	33	—3
1	—	2	—	2	—2	—2	—2	—3	—3	—3	—3	—3

The 74 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	32	31	30	29	28	27	26	25	24	23	22	21
32	74	—										
31	73	2 74	—									
30	72	2 73	2 74	—								
29	71	— 72	2 73	2 74	—							
28	69	2 71	— 72	1 73	2 74	—						
27	67	3 69	— 70	3 72	1 73	2 74	—					
26	65	3 67	2 69	— 70	2 72	1 73	2 74	—				
25	63	2 65	1 67	1 68	3 70	2 72	— 73	1 74	—			
24	60	3 62	3 64	3 67	— 68	2 70	1 72	— 73	1 74	—		
23	58	1 60	1 62	— 64	1 66	2 68	— 70	— 71	3 73	1 74	—	
22	55	2 57	2 59	1 61	2 64	— 66	— 68	— 69	3 71	2 73	1 74	—
21	52	2 54	3 56	2 58	2 60	3 63	1 65	2 67	2 69	2 71	2 73	— 74
20	49	3 51	3 53	2 55	3 58	— 60	— 62	2 64	3 67	1 69	1 71	1 73
19	46	3 48	2 50	2 52	2 54	3 57	— 59	1 61	2 64	1 66	3 68	3 71
18	43	2 45	1 47	1 49	1 51	2 53	3 56	1 58	2 60	3 63	3 66	— 68
17	40	— 41	3 43	3 45	3 48	— 50	1 52	2 55	— 57	2 60	— 62	2 65
16	37	— 38	2 40	1 42	1 44	1 46	2 48	3 51	1 53	2 56	1 58	3 61
15	33	3 35	2 37	— 38	3 40	3 42	2 44	3 47	1 49	2 52	1 54	3 57
14	30	2 32	— 33	2 35	1 37	— 38	3 41	— 43	— 45	2 48	— 50	2 53
13	27	1 28	3 30	1 31	3 33	1 35	1 37	— 39	— 41	1 43	2 46	— 49
12	24	1 25	1 26	2 28	1 29	3 31	2 33	— 35	— 37	— 39	— 41	2 44
11	21	1 22	1 23	1 24	2 26	— 27	1 29	1 31	— 32	3 34	3 37	— 39
10	18	1 19	1 20	1 21	1 22	2 23	3 25	1 26	3 28	2 30	2 32	2 34
9	15	2 16	2 17	1 18	1 19	— 20	1 21	2 22	3 24	1 26	— 28	— 29
8	13	1 13	2 14	2 15	1 16	— 17	— 17	3 19	— 20	1 21	2 23	2 25
7	10	2 11	1 11	3 12	2 13	1 13	3 14	3 15	2 16	2 17	2 19	1 20
6	8	1 8	2 9	— 9	3 10	— 10	3 11	2 12	2 13	1 14	— 15	1 16
5	6	— 6	2 6	3 7	— 7	1 7	3 8	1 9	— 9	3 10	1 11	1 12
4	4	2 4	3 4	3 5	— 5	1 5	3 5	3 6	2 6	3 7	— 7	3 8
3	2	3 3	— 3	1 3	1 3	2 3	2 4	— 4	1 4	1 4	3 5	— 5
2	1	1 1	2 1	2 1	3 1	3 2	— 2	— 2	1 2	1 2	2 2	3 3
1	—	2	— 2	— 2	— 2	— 2	— 2	— 3	— 3	— 3	— 3	— 1

The 75 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	32	31	30	29	28	27	26	25	24	23	22	21
32	75	-										
31	74	2	75	-								
30	73	2	74	2	75	-						
29	72	-	73	1	74	2	75	-				
28	70	1	72	-	73	1	74	2	75	-		
27	68	3	70	1	71	3	73	1	74	2	75	-
26	66	3	68	2	70	-	71	2	73	1	74	-
25	64	2	66	1	68	-	69	3	71	2	73	-
24	61	2	63	2	65	3	67	3	69	2	71	1
23	59	-	61	-	62	3	65	1	67	2	69	-
22	56	2	58	1	60	1	62	2	64	3	67	-
21	53	1	55	2	57	1	59	2	61	2	64	2
20	50	1	52	2	54	1	56	1	58	3	60	-
19	47	1	49	-	51	-	53	1	55	2	57	-
18	44	-	45	3	47	3	49	3	52	1	54	2
17	40	2	42	2	44	1	46	2	48	3	51	-
16	37	2	39	-	40	3	42	3	44	3	47	1
15	34	1	36	-	37	2	39	1	41	1	43	1
14	31	-	32	1	34	-	35	3	37	2	39	1
13	27	3	29	1	30	3	32	1	33	3	35	2
12	24	2	25	3	27	-	28	2	30	1	31	3
11	21	2	22	2	23	3	25	-	26	1	27	2
10	18	2	19	2	20	2	21	2	22	3	24	1
9	15	3	16	3	17	2	18	2	19	1	20	1
8	13	2	13	3	14	3	15	2	16	1	17	1
7	10	2	11	1	12	-	12	3	13	2	14	-
6	8	1	8	3	9	-	9	3	10	1	10	3
5	6	-	6	2	6	3	7	1	7	2	8	2
4	4	2	4	3	5	-	5	1	5	2	5	3
3	2	3	3	-	3	1	3	2	3	3	4	1
2	1	1	1	2	1	2	1	3	1	3	2	1
1	-	2	-	2	-	2	-	2	-	3	-	1

The 76 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	32	31	30	29	28	27	26	25	24	23	22	21
32	76	-										
31	75	2 76	-									
30	74	2 75	2 76	-								
29	73	- 74	1 75	2 76	-							
28	71	1 73	- 74	1 75	2 76	-						
27	69	2 71	- 72	3 74	1 75	2 76	-					
26	67	2 69	2 70	3 72	2 74	1 75	2 76	-				
25	65	1 67	- 69	- 70	3 72	2 74	- 75	1 76	-			
24	62	2 64	1 66	2 68	2 70	2 72	1 73	3 75	1 76	-		
23	59	3 61	3 63	2 66	- 68	1 70	- 72	- 73	2 75	1 76	-	
22	57	1 59	- 61	- 63	1 65	3 67	3 70	- 71	3 73	2 75	1 76	-
21	54	- 56	1 58	1 60	1 62	2 65	- 67	1 69	2 71	2 73	2 75	- 76
20	51	- 53	1 55	- 57	- 59	2 61	2 64	1 66	2 69	- 71	- 73	- 75
19	47	3 49	3 51	3 54	- 56	1 58	2 61	- 63	1 66	- 68	2 70	3 73
18	44	1 46	2 48	2 50	2 53	- 55	1 57	3 60	- 62	2 65	2 68	- 70
17	41	1 43	- 44	3 47	1 49	1 51	2 54	- 56	1 59	- 61	2 64	2 67
16	38	- 39	2 41	1 43	1 45	2 47	3 50	1 52	2 55	- 57	3 60	2 63
15	34	3 36	2 38	- 39	3 41	3 43	3 46	- 48	2 51	- 53	3 56	1 59
14	31	2 32	3 34	2 36	1 38	- 39	3 42	- 44	1 46	3 49	1 52	- 55
13	28	- 29	2 31	1 32	3 34	1 36	- 38	- 40	- 42	1 44	3 47	2 50
12	24	3 26	- 27	1 28	3 30	2 32	1 34	- 36	- 38	- 40	1 42	2 45
11	21	3 22	3 24	- 25	1 26	3 28	- 30	- 31	3 33	2 35	3 38	- 40
10	18	3 19	3 20	3 21	3 23	- 24	2 25	3 27	2 29	1 31	1 33	1 35
9	16	- 17	- 17	2 18	3 19	2 20	3 22	- 23	2 24	3 26	2 28	2 30
8	13	2 14	- 14	3 15	3 16	2 17	2 18	1 19	2 20	3 22	1 24	- 25
7	10	3 11	2 12	- 12	3 13	2 14	1 15	- 16	- 17	- 18	- 19	3 21
6	8	1 8	3 9	1 9	3 10	1 11	- 11	3 12	3 13	2 14	2 15	2 16
5	6	1 6	2 6	3 7	1 7	2 8	- 8	2 9	1 10	- 10	2 11	2 12
4	4	2 4	3 5	- 5	1 5	2 6	- 6	- 6	2 7	- 7	1 8	- 8
3	2	3 3	- 3	1 3	2 3	2 3	3 4	- 4	1 4	2 4	3 5	1 5
2	1	2 1	2 1	2 1	1 3	1 3	2 2	- 2	1 2	1 2	2 2	3 3
1	-	2	- 2	- 2	- 2	- 2	- 2	- 3	- 3	- 3	- 3	1

The 77 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	32	31	30	29	28	27	26	25	24	23	22	21
32	77	-										
31	76	2 77	-									
30	75	2 76	2 77	-								
29	74	- 75	1 76	2 77	-							
28	72	- 73	3 75	1 76	2 77	-						
27	70	2 72	- 73	2 75	1 76	2 77	-					
26	68	1 70	2 71	3 73	2 75	1 76	2 77	-				
25	66	1 68	- 70	- 71	3 73	2 75	- 76	1 77	-			
24	63	1 65	1 67	2 69	2 71	2 73	1 74	3 76	1 77	-		
23	60	3 62	2 64	2 67	- 69	1 70	3 73	- 74	2 76	1 77	-	
22	57	3 59	3 61	3 64	- 66	3 68	3 71	- 72	3 74	2 76	1 77	-
21	54	3 57	- 58	3 61	1 63	1 65	3 68	1 70	2 72	1 74	2 76	- 77
20	51	3 54	- 55	3 58	- 60	2 62	2 65	- 67	2 70	- 72	- 74	- 76
19	48	2 50	2 52	2 54	3 57	- 59	1 61	3 64	- 67	- 69	2 71	2 74
18	45	- 47	1 49	- 51	1 53	3 56	- 58	2 60	3 63	1 66	2 68	3 71
17	41	3 43	2 45	2 47	3 50	- 52	1 54	3 57	- 59	3 62	1 65	1 68
16	38	2 40	1 41	3 43	3 46	1 48	2 50	3 53	1 55	3 58	2 61	1 64
15	35	1 36	3 38	2 40	1 42	1 44	1 46	3 49	- 51	3 54	2 57	- 60
14	32	- 33	1 35	- 36	3 38	2 40	2 42	2 44	3 47	2 50	- 52	3 55
13	28	1 29	3 31	2 33	1 34	3 36	2 38	2 40	3 42	3 45	1 48	- 51
12	25	- 26	1 27	3 29	1 30	3 32	3 34	2 36	1 38	2 40	3 43	- 46
11	22	- 23	- 24	1 25	2 27	- 28	1 30	1 32	1 34	1 36	- 38	2 40
10	19	- 20	- 21	- 22	- 23	1 24	3 26	1 28	- 29	2 31	3 33	3 36
9	16	1 17	- 17	3 19	- 19	3 21	- 22	1 23	3 25	- 27	- 29	- 30
8	13	3 14	1 15	- 15	3 16	2 17	3 18	2 19	3 21	1 22	2 24	1 26
7	10	3 11	2 12	1 13	- 13	3 14	2 15	1 16	1 17	1 18	1 20	- 21
6	8	2 8	3 9	1 10	- 10	1 11	- 12	- 13	- 13	2 14	2 15	3 16
5	6	1 6	2 7	- 7	2 7	2 8	1 8	3 9	2 10	- 10	2 11	3 12
4	4	2 4	3 5	- 5	1 5	2 6	- 6	- 6	2 7	- 7	2 8	1 8
3	2	3 3	- 3	1 3	2 3	2 3	3 4	- 4	1 4	2 4	3 5	1 5
2	1	2 1	2 1	2 1	3 1	3 2	- 2	- 2	1 2	1 2	2 2	3 3
1	-	2	- 2	- 2	- 2	- 2	- 2	- 3	- 3	- 3	1	- 1

The 78 Gallon Cask, whose Bung Diameter dips in Inches, viz:

	32	31	30	29	28	27	26	25	24	23	22	21
32	78	-										
31	77	2 78	-									
30	76	2 77	2 78	-								
29	75	- 76	1 77	2 78	-							
28	73	- 74	3 76	1 77	2 78	-						
27	71	2 73	- 74	2 76	1 77	2 78	-					
26	69	1 71	1 72	3 74	2 76	1 77	1 78	-				
25	67	- 68	3 71	- 72	2 74	2 76	- 77	1 78	-			
24	64	- 66	- 68	1 70	2 72	1 74	1 75	3 77	1 78	-		
23	61	2 63	1 65	2 67	3 70	1 71	3 73	3 75	2 77	1 78	-	
22	58	2 60	3 62	3 65	- 67	2 69	3 72	- 73	3 75	2 77	1 78	-
21	55	2 57	3 59	2 62	- 64	- 66	3 69	- 71	1 73	1 75	1 77	-
20	52	2 54	3 56	2 58	3 61	1 63	1 66	- 68	1 71	- 73	- 75	-
19	49	1 51	1 53	1 55	2 57	3 60	- 62	2 64	3 67	3 70	2 72	2 74
18	45	2 47	3 49	3 52	- 54	2 56	3 59	1 61	2 64	1 67	1 69	-
17	42	1 44	1 46	- 48	2 50	3 53	- 55	2 57	3 60	2 63	1 66	- 69
16	39	- 40	3 42	2 44	2 46	3 49	- 51	2 54	- 56	2 59	2 62	- 65
15	35	3 37	1 39	- 40	3 42	3 45	- 47	1 49	3 52	2 55	1 57	3 61
14	32	2 33	2 35	1 37	1 39	- 41	- 43	1 45	2 48	- 50	3 53	2 56
13	28	3 30	1 32	- 33	2 35	1 37	- 39	- 41	1 43	1 46	- 48	2 51
12	25	1 26	2 28	- 29	2 31	1 33	- 34	3 36	3 39	- 41	1 43	3 46
11	22	1 23	1 24	2 25	3 27	1 28	3 30	3 32	2 34	3 36	2 39	- 41
10	19	1 20	1 21	1 22	1 23	2 25	- 26	2 28	1 30	- 32	- 34	1 36
9	16	2 17	1 18	- 19	1 20	- 21	1 22	2 24	- 25	1 27	1 29	1 31
8	14	- 14	2 15	1 16	- 16	3 18	- 18	3 20	- 21	- 22	3 24	2 26
7	11	- 11	3 12	1 13	- 13	3 14	- 15	2 16	2 17	2 18	2 20	1 21
6	8	2 9	- 9	2 10	- 10	2 11	1 12	- 13	- 13	3 14	3 16	- 17
5	6	1 6	3 7	- 7	2 7	3 8	1 8	3 9	2 10	1 10	3 11	3 12
4	4	2 4	3 5	- 5	1 5	2 6	- 6	1 6	3 7	1 7	2 8	1 8
3	3	- 3	- 3	1 3	2 3	2 3	3 3	4 2	1 2	2 2	2 3	1 3
2	1	2 1	2 1	2 1	3 1	3 2	- 2	3	- 3	- 3	1 1	- 1
1	-	2	- 2	- 2	- 2	- 2	- 3	- 3	- 3	- 3	- 3	- 1

The 79 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	32	31	30	29	28	27	26	25	24	23	22	21
32	79	—										
31	78	2 79	—									
30	77	2 78	2 79	—								
29	76	—	77	1 78	2 79	—						
28	74	—	75	3 77	1 78	1 79	—					
27	72	1 74	—	75	2 77	—	78	1 79	—			
26	70	1 72	1 73	2 75	2 77	—	78	1 79	—			
25	67	3 69	3 71	3 73	2 75	1 76	3 78	1 79	—			
24	64	3 67	—	69	1 71	2 73	1 75	—	76	3 78	1 79	—
23	62	1 64	1 66	1 68	3 71	—	72	3 74	3 76	2 78	1 79	—
22	59	1 61	2 63	2 65	3 68	1 70	2 72	3 74	2 76	2 78	1 79	—
21	56	1 58	2 60	1 62	3 65	—	67	2 70	—	72	1 74	1 76
20	53	—	55	2 57	—	59	1 62	—	64	1 66	3 69	1 71
19	49	3 51	3 53	3 56	—	58	2 60	3 63	1 65	2 68	2 71	1 73
18	46	—	48	1 50	2 52	2 55	—	57	2 60	—	62	2 65
17	42	3 44	3 46	3 49	—	51	1 53	2 56	—	58	2 61	1 64
16	39	2 41	1 43	—	45	—	47	1 49	3 52	1 54	3 57	1 60
15	36	1 37	3 39	2 41	1 43	1 45	2 47	3 50	2 53	—	56	—
14	32	3 34	1 35	3 37	3 39	2 41	2 43	3 46	—	48	2 51	1 54
13	29	1 30	3 32	1 34	—	35	3 37	2 39	2 41	3 43	3 46	2 49
12	25	3 27	—	28	1 30	—	31	2 33	2 35	1 37	1 39	2 41
11	22	2 23	2 25	—	26	1 27	2 29	—	31	1 33	—	35
10	19	2 20	2 21	2 22	3 24	—	25	2 26	3 28	1 30	2 32	2 34
9	16	3 17	2 18	1 19	2 20	1 21	2 23	—	24	1 25	3 27	2 29
8	14	1 14	2 15	1 16	1 17	—	18	—	19	—	20	1 21
7	11	1 11	3 12	2 13	1 14	—	14	3 15	3 16	2 17	2 18	3 20
6	8	2 9	—	9	2 10	1 10	3 11	1 12	1 13	1 14	—	14
5	6	2 6	3 7	—	7	2 7	3 8	1 9	—	9	3 10	2 11
4	4	3 5	—	5	1 5	2 5	3 6	1 6	—	6	3 7	1 7
3	3	—	3 1	1 3	1 3	2 3	2 3	3 4	—	4	2 4	2 5
2	1	2 1	2 1	2 1	3 1	3 1	3 2	—	2	1 2	2 2	3 3
1	—	2	—	2	—	2	—	3	—	3	—	3

The 80 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	32	31	30	29	28	27	26	25	24	23	22	21
32	80	-										
31	79	280	-									
30	78	179	280	-								
29	76	378	179	280	-							
28	74	376	378	-79	280	-						
27	73	174	376	278	-79	180	-					
26	71	-73	-74	276	178	-79	180	-				
25	68	370	272	374	276	177	379	180	-			
24	65	267	370	-72	174	176	-77	379	180	-		
23	63	-65	-67	-69	272	-73	375	377	279	180	-	
22	60	-62	164	166	269	171	273	375	277	279	180	-
21	57	-59	161	163	265	368	170	373	175	-77	-79	-80
20	53	256	-57	360	-62	365	-67	270	-72	274	377	-79
19	50	252	254	256	359	-61	264	-66	269	172	-74	276
18	47	-49	-51	-53	155	358	-60	353	165	368	371	274
17	43	145	147	149	252	-54	156	359	162	-64	367	271
16	40	-41	343	245	248	-50	152	355	258	-61	-63	266
15	36	338	140	-41	343	346	-48	251	-53	256	259	162
14	33	-34	336	138	140	-42	-44	146	249	152	-54	357
13	29	231	-32	334	136	138	-40	-42	144	247	-49	353
12	26	127	228	330	132	-34	-35	337	340	-42	144	347
11	22	324	-25	126	228	-29	231	233	235	137	340	-42
10	19	320	321	323	-24	125	327	129	-30	332	335	137
9	17	-17	318	219	320	321	323	124	226	-28	-30	132
8	14	114	315	216	217	118	119	120	222	-23	225	127
7	11	112	-12	313	114	115	-16	-16	318	-19	-20	322
6	8	39	19	310	110	311	212	213	214	115	116	117
5	6	27	-7	17	38	-8	29	-9	310	211	112	113
4	4	35	-5	15	25	33	61	16	37	17	38	29
3	3	-3	13	13	23	33	4	14	24	35	15	25
2	1	21	21	21	31	32	-2	12	22	33	33	-3
1	-	2	-2	-2	-2	-3	-3	-3	-3	-3	-3	-1

The 81 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	32	31	30	29	28	27	26	25	24	23	22	21
32	81	-										
31	80	281	-									
30	79	180	281	-								
29	77	379	180	281	-							
28	75	377	379	-80	181	-						
27	74	175	377	179	-80	181	-					
26	71	374	-75	277	179	-80	181	-				
25	69	271	273	275	177	-78	380	181	-			
24	66	268	271	-73	-75	-77	-78	380	181	-		
23	63	365	367	370	172	374	376	378	280	181	-	
22	60	363	-65	-67	170	-72	174	276	278	180	-80	-81
21	57	259	362	-64	166	269	171	374	-76	-78	-80	-81
20	54	156	358	260	363	265	368	171	-73	275	377	380
19	51	-53	-55	157	259	362	164	367	170	173	-75	177
18	47	149	251	254	-56	258	361	264	-66	269	272	175
17	43	345	347	350	152	255	-57	260	-62	365	268	271
16	40	242	144	-46	-48	251	-53	256	-58	261	264	267
15	37	138	340	242	144	246	249	-51	254	157	160	-63
14	33	235	-36	338	340	242	244	347	-49	352	255	258
13	29	331	233	-34	336	238	240	242	345	-47	350	253
12	26	227	329	130	332	234	236	138	140	242	345	148
11	23	-24	125	226	328	229	332	-34	-35	338	140	242
10	20	-21	-22	-23	124	226	-27	229	231	133	135	338
9	17	118	-18	320	-21	-22	123	225	-26	128	230	232
8	14	215	-15	316	317	218	219	220	322	123	325	227
7	11	212	113	-13	214	215	-16	117	-18	119	221	222
6	9	19	19	310	211	-11	312	313	314	215	116	217
5	6	27	-7	17	17	38	18	29	110	-10	311	112
4	4	35	-5	15	15	35	36	16	17	-7	27	38
3	3	-3	13	23	22	33	4	-4	14	24	35	15
2	1	21	12	12	22	-2	-2	-2	12	12	33	13
1	-	2	-2	-2	-2	3	-3	-3	-3	-3	1	-1

The 82 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	32	31	30	29	28	27	26	25	24	23	22	21
32	82	-										
31	81	2 82	-									
30	80	1 81	2 82	-								
29	78	3 80	1 81	2 82	-							
28	76	3 78	2 80	- 81	1 82	-						
27	75	- 76	2 78	1 80	- 81	1 82	-					
26	72	3 74	3 76	1 78	- 80	- 81	1 82	-				
25	70	2 72	1 74	2 76	1 78	- 79	3 81	1 82	-			
24	67	1 69	1 71	3 74	- 76	- 77	3 79	3 81	1 82	-		
23	64	2 66	2 68	2 71	1 73	2 75	2 77	2 79	2 81	1 82	-	
22	61	2 63	3 65	3 68	- 70	3 73	1 75	2 77	2 79	1 81	- 82	-
21	58	1 60	2 62	3 65	- 67	1 70	- 72	2 75	- 77	- 79	- 81	- 82
20	55	- 57	1 59	1 61	2 64	1 66	2 69	1 71	3 74	2 76	2 78	3 81
19	51	2 53	3 55	3 58	1 60	2 62	3 65	2 68	- 71	- 74	- 76	- 78
18	48	- 50	1 52	1 54	2 57	- 59	2 62	1 64	3 67	1 70	2 73	1 76
17	44	1 46	2 48	2 50	3 53	1 55	2 58	1 60	3 63	2 66	2 69	1 72
16	41	- 42	3 44	2 46	3 49	- 51	2 54	- 56	2 59	1 62	1 65	- 68
15	37	3 39	1 41	- 42	3 45	- 47	1 49	2 52	1 55	- 58	- 60	2 64
14	33	3 35	1 37	1 39	1 41	- 43	- 45	1 47	3 50	2 53	1 56	- 59
13	30	1 31	3 33	2 35	1 37	- 39	- 41	- 43	1 45	2 48	1 51	- 54
12	26	3 28	- 29	2 31	1 33	- 34	3 36	3 38	3 41	- 43	1 45	3 49
11	23	1 24	2 26	- 27	1 28	3 30	1 32	2 34	1 36	2 38	3 41	- 43
10	20	1 21	1 22	2 23	2 24	3 26	2 28	- 29	3 31	2 33	3 36	1 38
9	17	2 18	1 19	- 20	1 21	1 22	2 23	3 25	2 26	2 28	3 30	3 33
8	14	3 15	1 16	- 17	- 17	3 19	- 19	3 21	- 22	3 24	- 25	3 27
7	11	2 12	2 13	- 13	3 14	2 15	1 16	1 17	1 18	2 19	2 21	2 22
6	9	- 9	2 10	- 10	3 11	1 11	3 12	3 14	- 14	2 15	2 16	3 18
5	6	3 7	- 7	2 8	- 8	1 8	3 9	1 10	- 11	- 11	2 12	2 13
4	5	- 5	1 5	2 5	3 6	- 6	1 6	2 7	- 7	2 8	- 8	3 9
3	3	- 3	1 3	2 3	3 3	3 4	- 4	1 4	2 4	3 5	2 5	3 6
2	1	2 1	2 1	2 2	- 2	- 2	1 2	1 2	2 2	3 3	2 3	1 3
1	-	2	- 2	- 2	- 2	- 3	- 3	- 3	- 3	- 3	- 1	- 1

The 83 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	32	31	30	29	28	27	26	25	24	23	22	21
32	83	-										
31	82	283	-									
30	81	182	283	-								
29	79	381	182	283	-							
28	77	379	281	-82	183	-						
27	76	-77	279	181	-82	183	-					
26	73	275	377	179	-81	-82	183	-				
25	71	173	175	177	179	-80	382	183	-			
24	68	-70	172	275	-77	-78	380	382	183	-		
23	65	167	269	272	-74	276	278	280	282	183	-	
22	62	164	266	268	371	374	-76	178	180	182	-83	-
21	59	-61	263	265	368	-70	373	275	378	-80	-82	-83
20	55	258	-60	-62	165	-67	170	-72	275	277	279	382
19	52	154	156	258	361	163	266	268	372	-75	-77	79 2
18	48	250	353	-55	157	360	163	-65	268	-71	274	-77
17	44	347	-49	-51	253	356	159	-61	264	267	170	173 2
16	41	243	145	-47	149	352	154	357	160	-63	-66	-69
15	38	139	341	243	145	247	350	153	-55	258	261	264 3
14	34	135	337	339	341	243	245	348	151	-53	356	360
13	30	232	134	-35	337	239	241	243	346	-48	351	354 3
12	27	128	229	331	233	135	137	139	141	243	346	249 2
11	23	224	326	127	229	130	232	334	337	-39	141	243 3
10	20	221	222	324	-25	126	328	130	-32	-34	136	239 1
9	17	318	219	120	221	222	324	-25	327	-29	-31	-33 1
8	15	-15	216	117	118	-19	120	-21	123	-24	126	128
7	11	312	213	114	-14	315	216	217	218	219	321	223
6	9	19	210	110	311	112	-13	-14	114	315	317	-18 1
5	6	37	-7	28	-8	28	39	210	-11	-11	212	314
4	5	-5	15	25	36	-6	26	27	17	28	-8	39 2
3	3	-3	13	23	34	-4	14	14	25	-5	25	36
2	1	21	21	22	-2	-2	12	12	23	-3	13	2
1	-	2	-2	-2	-3	-3	-3	-3	-3	1	-1	-1

The 84 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	32	31	30	29	28	27	26	25	24	23	22	21
32	84	-										
31	83	2 84	-									
30	82	1 83	2 84	-								
29	80	3 82	1 83	2 84	-							
28	78	3 80	2 82	- 83	1 84	-						
27	77	- 78	2 80	1 82	- 83	1 84	-					
26	74	2 76	3 78	1 80	- 82	- 83	1 84	-				
25	72	- 74	- 76	1 78	- 80	- 81	3 83	1 84	-			
24	68	3 71	1 73	2 75	3 77	3 79	3 81	3 83	1 84	-		
23	66	- 68	1 70	1 73	- 75	2 77	2 79	2 81	2 83	- 84	-	
22	63	- 65	1 67	2 69	3 72	2 75	- 77	1 79	1 81	1 83	- 84	-
21	59	3 62	1 64	1 66	2 69	- 71	3 74	1 76	3 79	- 81	- 83	- 84
20	56	1 58	3 60	3 63	- 65	3 68	- 71	- 73	2 76	1 78	2 80	3 83
19	52	3 55	- 57	1 59	2 56	- 58	2 61	- 63	3 66	2 69	- 72	1 75
18	49	- 51	2 53	2 56	- 54	2 57	- 59	2 62	1 65	1 68	- 71	- 74
17	45	2 47	2 49	2 52	- 54	2 57	- 59	2 62	- 60	3 64	- 67	- 70
16	42	- 43	3 45	2 47	3 50	1 52	3 55	2 58	- 60	3 64	- 67	- 65
15	38	2 40	1 42	- 43	3 46	- 48	1 51	- 53	2 56	1 59	1 62	- 65
14	34	3 36	1 38	1 40	1 42	- 44	- 44	- 46	2 48	3 51	3 54	2 57
13	31	1 32	2 34	2 36	- 38	- 40	- 42	- 44	1 46	3 49	2 52	1 55
12	27	2 28	3 30	1 32	- 33	3 35	3 37	2 39	3 42	- 44	2 47	- 50
11	23	3 25	1 26	2 27	3 29	2 31	- 33	- 35	1 37	1 39	2 42	- 44
10	20	3 21	3 23	- 24	1 25	2 27	- 28	2 30	2 32	1 34	2 37	- 39
9	18	- 18	3 19	2 20	3 21	3 23	- 24	2 26	- 27	1 29	2 31	2 33
8	15	1 15	2 16	2 17	2 18	1 19	2 20	1 21	2 23	1 24	3 26	2 28
7	11	3 12	2 13	2 14	1 15	- 15	3 16	3 17	2 18	3 20	- 21	3 23
6	9	1 9	3 10	1 11	- 11	2 12	1 13	- 14	1 15	- 16	- 17	- 18
5	6	3 7	1 7	3 8	- 8	2 9	- 9	2 10	- 11	1 11	3 12	3 14
4	5	- 5	1 5	2 6	- 6	- 6	2 6	3 7	1 7	3 8	1 9	- 9
3	3	- 3	2 3	2 3	3 4	- 4	1 4	2 4	3 5	- 5	2 6	- 6
2	1	2 1	2 1	2 2	- 2	- 2	1 2	1 2	1 2	2 3	- 3	1 3
1	-	2	-	2	-	3	- 3	- 3	- 3	1	- 1	- 1

The 85 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	32	31	30	29	28	27	26	25	24	23	22	21
32	85	-										
31	84	2 85	-									
30	83	1 84	2 85	-								
29	81	3 83	1 84	2 85	-							
28	79	2 81	2 83	- 84	1 85	-						
27	77	3 79	2 81	1 83	- 84	1 85	-					
26	75	1 77	2 79	1 81	- 83	- 84	1 85	-				
25	73	- 75	- 77	- 79	- 81	- 82	3 84	1 85	-			
24	69	2 72	- 74	2 76	3 78	3 80	3 82	2 84	1 85	-		
23	66	3 69	- 71	1 73	3 76	1 78	2 80	2 82	2 84	- 85	-	
22	63	3 66	- 68	1 70	2 73	2 76	- 78	1 80	1 82	1 84	- 85	-
21	60	2 63	- 65	- 67	1 69	3 72	2 75	1 77	3 80	- 82	- 84	- 85
20	57	- 59	2 61	2 63	3 66	2 69	- 71	3 74	1 77	- 79	2 81	3 84
19	53	2 55	3 58	- 60	1 62	3 65	2 68	- 70	2 73	3 76	2 79	- 81
18	49	2 52	- 54	1 56	2 59	1 61	3 64	2 67	1 69	3 73	1 76	- 78
17	46	- 48	- 50	1 52	3 55	1 57	2 60	1 63	- 66	- 68	2 72	- 75
16	42	2 44	1 46	1 48	2 51	- 53	2 56	- 58	3 61	2 64	3 67	2 70
15	39	- 40	3 42	2 44	2 46	3 49	- 51	2 54	1 57	- 60	- 63	- 66
14	35	1 36	3 38	3 40	2 42	2 44	2 47	- 49	2 52	1 55	1 58	- 61
13	31	2 33	- 34	3 36	2 38	1 40	2 42	2 44	3 47	1 50	- 53	- 56
12	27	3 29	- 30	2 32	1 34	- 36	- 38	- 40	1 42	2 45	- 47	2 51
11	24	- 25	2 26	3 28	1 29	3 31	1 33	2 35	2 37	3 40	- 42	2 45
10	21	- 22	- 23	1 24	2 25	3 27	2 29	- 30	3 32	3 35	- 37	2 40
9	18	1 19	- 19	3 21	- 22	- 23	1 24	3 26	1 27	3 29	3 32	- 34
8	15	2 15	3 16	3 17	2 18	2 19	2 20	2 21	3 23	2 25	- 26	3 28
7	12	- 12	3 13	2 14	1 15	1 15	3 17	- 17	3 19	- 20	1 22	- 23
6	9	2 9	3 10	2 11	- 11	2 12	1 13	1 14	2 15	1 16	1 17	2 18
5	7	- 7	1 7	3 8	1 8	3 9	- 9	3 10	1 11	1 11	3 13	- 14
4	5	1 5	1 5	3 6	- 6	1 6	2 6	3 7	1 7	3 8	1 9	- 9
3	3	1 3	2 3	2 3	3 4	- 4	1 4	2 4	3 5	- 5	2 6	- 6
2	1	2 1	2 1	2 2	- 2	- 2	1 2	1 2	1 2	3 3	- 3	1 3
1	-	2	- 2	- 2	- 3	- 3	- 3	- 3	- 3	1	- 1	- 1

The 86 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	32	31	30	29	28	27	26	25	24	23	22	21
32	86	-										
31	85	2 86	-									
30	84	1 85	2 86	-								
29	82	2 84	1 85	2 86	-							
28	80	2 82	2 84	-	85	1 86	-					
27	78	3 80	1 82	1 84	-	85	1 86	-				
26	76	1 78	2 80	1 82	-	84	-	85	1 86	-		
25	73	3 75	3 78	-	80	-	82	-	83	3 85		
24	70	2 72	3 75	1 77	2 79	3 81	3 83	2 85	1 86	-		
23	67	2 69	3 72	-	74	3 77	1 79	1 81	2 83	2 85	1 86	-
22	64	2 66	3 69	-	71	2 74	1 76	3 79	-	81	1 83	1 85
21	61	1 63	3 65	3 58	-	70	2 73	2 76	-	78	2 81	-
20	57	3 60	1 62	1 64	2 67	1 69	3 72	2 75	1 78	-	80	2 82
19	54	1 56	1 58	2 61	-	63	2 66	1 68	3 71	2 74	2 77	2 80
18	50	1 52	2 55	-	57	1 59	3 62	2 65	1 68	-	70	2 74
17	46	2 48	3 50	3 53	1 55	3 58	1 61	-	63	3 66	3 69	2 72
16	43	-	44	3 46	3 49	-	51	2 54	-	56	3 59	2 62
15	39	2 41	1 43	-	45	-	47	1 49	2 52	1 55	-	57
14	35	2 37	-	39	-	41	-	43	-	45	2 50	-
13	31	3 33	1 35	1 37	-	38	3 41	-	43	-	45	1 47
12	28	-	29	2 30	3 32	2 34	2 36	2 38	2 40	3 43	-	45
11	24	1 25	3 27	1 28	2 30	1 31	3 33	3 36	-	38	1 40	2 43
10	21	1 22	1 23	2 24	3 26	1 27	3 29	1 31	-	33	-	35
9	18	2 19	1 20	-	21	1 22	1 23	2 25	-	26	2 28	-
8	15	2 16	-	17	-	17	3 18	3 19	3 20	3 22	-	23
7	12	1 13	-	13	3 14	2 15	1 16	-	17	1 18	-	19
6	9	2 10	-	10	2 11	1 11	3 12	2 13	2 14	2 15	1 16	1 17
5	7	-	7	1 7	3 8	1 8	3 9	-	9	3 10	1 11	-
4	5	1 5	2 5	3 6	-	6	1 6	2 6	3 7	1 7	3 8	2 9
3	3	1 3	2 3	2 3	3	3 4	-	4	1 4	2 4	3 5	-
2	1	2 1	2 1	2 1	3	3 2	-	2	1 2	2 2	3 3	-
1	-	2	-	2	-	2	-	3	-	3	-	1

The 87 Gallon Cask, whose Bung Diameter dips in Inches, viz.

32	31	30	29	28	27	26	25	24	23	22	21
32	87	-									
31	86	287	-								
30	85	186	287	-							
29	83	285	-	86	287	-					
28	81	283	285	-	86	187	-				
27	79	281	183	185	-	86	187	-			
26	77	-	79	281	-	83	-				
25	74	276	379	-	81	-	84	386	187	-	
24	71	173	276	178	280	382	384	286	187	-	
23	68	270	273	-	75	278	-	80	182	284	286
22	65	167	269	372	175	177	380	-	82	184	186
21	61	364	266	269	-	71	274	177	-	79	282
20	58	261	-	63	-	65	168	-	70	273	276
19	54	357	-	59	161	364	167	-	69	372	175
18	51	-	53	155	258	-	60	263	166	-	68
17	47	149	151	254	-	56	259	-	61	364	267
16	43	245	147	149	252	154	357	260	-	63	-
15	39	341	343	245	247	350	152	355	-	58	161
14	36	-	37	239	241	243	245	348	-	50	253
13	32	-	33	235	237	239	141	143	245	348	151
12	28	-	29	331	133	-	34	336	339	-	41
11	24	-	226	-	27	228	-	30	232	-	34
10	21	-	222	223	325	-	26	228	-	29	231
9	18	319	220	121	122	223	325	126	231	233	235
8	15	316	117	-	18	-	19	-	20	-	21
7	12	213	113	314	215	216	117	118	119	220	322
6	9	310	-	10	311	111	312	213	214	315	216
5	7	17	28	-	8	29	-	9	110	-	10
4	5	15	25	36	-	6	16	37	-	7	28
3	3	13	23	24	-	4	-	4	14	24	35
2	1	31	21	22	-	2	-	2	12	22	33
1	-	2-	-	2-	-	3-	-	3-	-	3-	1-

The 88 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	32	31	30	29	28	27	26	25	24	23	22	21
32	88	-										
31	2 88	-										
30	1 87	2 88	-									
29	2 86	-	87	2 88	-							
28	2 84	2 86	-	87	1 88	-						
27	2 82	1 84	1 86	-	87	1 88	-					
26	78	-	80	2 82	-	84	-	85	3 87	1 88	-	
25	75	2 77	2 80	-	82	-	84	-	85	3 87	-	
24	72	1 74	2 77	-	79	2 81	3 83	3 85	2 87	-	88	-
23	69	1 71	2 73	3 76	2 79	-	81	1 83	1 85	1 87	1 88	-
22	66	-	68	1 70	3 73	1 76	1 78	2 81	-	83	1 85	1 87
21	62	2 65	1 67	1 69	3 72	1 75	1 77	-	3 80	2 82	3 85	-
20	59	-	61	3 63	3 66	1 69	-	71	2 74	1 77	-	87
19	55	2 57	3 60	-	62	2 65	1 67	3 70	2 73	-	76	1 79
18	51	2 53	3 56	1 58	2 61	1 64	-	66	3 69	2 72	1 75	3 78
17	47	3 49	3 52	-	54	2 57	1 59	2 62	2 65	1 68	1 71	1 74
16	44	-	45	3 47	3 50	1 52	3 55	2 58	-	61	-	63
15	40	1 42	1 44	-	46	-	48	1 50	3 53	2 56	1 59	-
14	36	2 38	-	40	-	42	-	44	-	48	3 51	1 54
13	32	2 34	-	36	-	37	3 39	3 41	3 44	-	46	2 49
12	28	2 30	1 31	2 33	1 35	1 37	1 39	1 41	2 44	-	46	1 52
11	24	3 26	1 27	3 29	1 30	3 32	1 34	2 36	3 39	-	41	1 44
10	21	3 22	3 24	-	25	1 26	3 28	2 30	-	31	3 33	1 36
9	18	3 19	3 20	2 21	2 22	3 24	-	25	2 27	-	28	2 30
8	15	3 16	1 17	1 18	1 19	-	20	1 21	1 22	2 24	-	25
7	12	2 13	1 14	-	14	3 15	2 16	2 17	2 18	2 19	-	22
6	9	3 10	1 10	3 11	2 11	3 12	3 13	3 14	3 15	-	18	- 19
5	7	1 7	2 8	-	8	2 9	-	9	1 10	-	10	2 12
4	5	1 5	2 5	3 6	-	6	1 6	3 7	-	7	2 8	- 6
3	3	1 3	2 3	3 4	-	4	-	4	1 4	2 4	3 5	- 3
2	1	1 3	1 3	1 3	2 2	-	2	-	2	2 2	3 3	- 1
1	-	2	-	2	-	3	-	3	-	3	1	- 1

The 89 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	32	31	30	29	28	27	26	25	24	23	22	21
32	89	-										
31	88	2 89	-									
30	87	1 88	2 89	-								
29	85	2 87	- 88	1 89	-							
28	83	2 85	2 87	- 88	1 89	-						
27	81	2 83	1 85	- 87	- 88	1 89	-					
26	79	- 81	1 83	- 85	- 86	3 88	1 89	-				
25	76	2 78	2 80	3 82	3 84	3 86	3 88	1 89	-			
24	73	- 75	2 78	- 80	1 82	2 84	2 86	2 88	- 89	-		
23	70	- 72	1 74	2 77	1 80	- 82	1 84	1 86	1 88	- 89	-	
22	66	3 69	1 71	2 74	- 77	- 79	2 82	- 84	- 86	1 88	- 89	-
21	63	1 66	- 68	- 70	2 73	- 76	- 78	3 81	1 83	3 86	- 88	- 89
20	59	3 62	1 64	2 67	- 69	2 72	1 75	1 77	3 81	- 83	1 85	2 88
19	56	- 58	1 60	2 63	1 65	3 68	2 71	1 74	- 77	- 80	2 82	3 85
18	52	- 54	2 56	3 59	1 62	- 64	3 67	2 70	1 73	1 76	2 79	2 82
17	48	1 50	2 52	2 55	1 57	3 60	1 63	1 66	- 69	- 72	- 75	1 79
16	44	- 46	2 48	2 50	- 3 53	1 56	- 58	3 61	2 64	2 67	3 71	- 74
15	40	3 42	2 44	2 46	2 48	3 51	1 54	- 56	3 59	2 63	- 66	- 69
14	36	3 38	2 40	1 42	2 44	2 46	3 49	1 51	3 54	3 57	3 61	- 64
13	32	3 34	2 36	2 38	1 40	- 42	1 44	2 47	- 49	2 52	2 55	2 58
12	29	- 30	2 32	- 33	3 35	2 37	3 39	3 42	- 44	2 47	- 50	- 53
11	25	1 26	3 28	- 29	2 31	1 32	3 35	- 37	1 39	2 41	3 44	2 47
10	22	- 23	- 24	1 25	2 27	- 28	3 30	1 32	1 34	1 36	2 39	- 41
9	19	- 19	3 20	3 21	3 23	- 24	1 25	3 27	2 29	- 31	1 33	2 35
8	16	- 16	2 17	2 18	1 19	1 20	2 21	2 22	3 24	2 26	- 28	- 30
7	12	2 13	1 14	1 14	3 15	3 16	2 17	3 18	3 20	- 21	1 23	- 24
6	9	3 10	1 11	- 11	2 12	- 12	3 13	3 15	- 15	3 17	- 18	- 19
5	7	1 7	3 8	- 8	2 9	- 9	2 10	1 10	3 12	- 12	1 13	3 14
4	5	1 5	2 6	- 6	1 6	2 6	3 7	- 7	2 8	- 8	2 9	2 10
3	3	- 1	3 2	3 4	- 4	1 4	2 4	3 5	- 5	1 5	2 6	1 6
2	1	3	1 3	1 3	2	- 2	1 2	2 2	2 2	3 3	- 3	2 3
1	-	2	- 2	- 2	-	3	- 3	- 3	1	- 1	- 1	- 1

The 90 Gallon Cask, whose Bung Diameter dips in Inches, viz.

32	31	30	29	28	27	26	25	24	23	22	21
32 90	—										
31 89	2 90	—									
30 88	1 89	2 90	—								
29 86	2 88	— 89	2 90	—							
28 84	1 86	1 88	— 89	1 90	—						
27 82	2 84	1 86	— 87	3 89	1 90	—					
26 79	3 82	1 84	— 85	3 87	3 89	1 90	—				
25 77	1 79	2 81	3 83	3 85	3 87	2 89	1 90	—			
24 73	3 76	1 78	3 81	1 83	2 85	2 87	2 89	— 90	—		
23 70	3 73	— 75	2 78	1 81	— 83	— 85	1 87	1 89	— 90	—	
22 67	2 70	— 72	1 74	3 77	3 80	2 83	— 85	— 87	1 89	— 90	—
21 64	— 66	2 68	3 71	2 73	3 77	— 79	3 82	1 84	2 87	— 89	— 90
20 60	2 63	— 65	1 67	2 70	2 73	— 76	— 78	3 82	— 84	1 86	2 89
19 56	3 59	— 61	1 64	— 66	2 69	1 72	— 74	3 78	— 81	1 84	— 86
18 52	3 55	1 57	2 60	— 62	3 65	2 68	1 71	— 74	— 77	2 80	3 83
17 48	3 51	— 53	1 55	3 58	2 61	— 64	— 66	3 70	— 73	— 76	2 79
16 45	— 47	— 49	— 51	2 54	— 56	2 59	1 62	1 65	1 68	2 71	3 75
15 41	1 43	— 45	— 47	— 49	2 51	3 54	2 57	2 60	2 63	2 67	— 70
14 37	1 39	— 40	3 43	— 45	— 47	1 49	3 52	2 55	2 58	2 61	3 65
13 33	— 34	3 36	3 38	2 40	2 42	3 45	— 47	2 50	— 53	— 56	1 59
12 29	1 30	3 32	2 34	1 36	— 38	1 40	1 42	2 45	— 47	3 50	2 53
11 25	3 27	— 28	1 29	3 31	2 33	1 35	1 37	2 39	3 42	1 45	— 48
10 22	1 23	2 24	2 25	3 27	1 29	— 30	2 32	2 34	2 36	3 39	1 41
9 19	1 20	— 21	— 22	— 23	1 24	2 26	— 27	3 29	1 31	2 33	2 36
8 16	1 16	2 17	2 18	2 19	2 20	2 21	3 23	— 24	3 26	1 28	1 29
7 12	3 13	2 14	1 15	— 15	3 16	3 18	— 19	— 20	— 21	2 23	— 24
6 9	3 10	2 11	— 11	2 12	1 13	— 14	— 15	1 16	— 17	— 18	— 19
5 7	1 7	3 8	1 8	2 9	— 9	2 10	1 10	3 12	— 12	2 13	2 14
4 5	2 5	2 6	— 6	1 6	2 7	— 7	— 7	2 8	— 8	2 9	1 10
3 3	2 3	3 3	3 4	— 4	1 4	2 4	3 5	— 5	1 5	3 6	— 6
2 1	1 3	1 3	1 3	2 2	— 2	1 2	2 2	2 2	3 3	— 3	1 3
1	— 2	— 2	— 2	— 2	— 3	— 3	— 3	— 3	— 1	— 1	— 1

The 91 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	32	31	30	29	28	27	26	25	24	23	22	21
32	91	-										
31	90	291	-									
30	89	-90	291	-								
29	87	289	-90	291	-							
28	85	187	189	-90	191	-						
27	83	285	-87	-88	390	191	-					
26	80	383	-84	386	388	390	191	-				
25	78	-80	182	284	386	288	290	191	-			
24	74	277	-79	382	184	286	288	290	-91	-		
23	71	273	376	179	-81	384	-86	-88	190	-91	-	
22	68	170	373	-75	278	281	183	386	-88	-90	-91	-
21	64	367	169	272	-74	377	380	283	185	287	390	-91
20	61	-63	365	368	171	173	376	379	282	385	-87	190
19	57	159	262	-64	267	170	-72	375	279	-82	-84	387
18	53	155	358	-60	263	266	169	-72	-74	378	181	284
17	49	151	253	356	259	-61	264	267	270	273	377	180
16	45	247	249	252	-54	257	160	-63	-66	-69	172	275
15	41	343	245	247	250	-52	255	158	-61	-64	167	271
14	37	339	141	143	245	247	350	153	-56	-59	-62	265
13	33	235	-37	139	-41	-43	145	248	-50	253	256	360
12	29	231	132	334	236	238	240	343	-45	248	151	154
11	26	-27	128	330	132	-33	235	338	-40	142	345	248
10	22	223	325	-26	127	229	231	-33	-35	-37	239	341
9	19	220	121	122	123	224	326	228	-29	332	-33	336
8	16	216	317	318	319	320	322	-23	125	-26	228	230
7	13	-13	314	215	116	-17	-18	119	120	121	323	124
6	10	-10	311	-11	312	213	114	115	116	117	118	119
5	7	17	38	18	39	19	210	211	-12	-12	313	314
4	5	25	36	-6	16	27	-7	17	38	18	39	210
3	3	23	33	34	-4	14	24	35	-5	15	33	6
2	1	31	31	32	-2	-2	12	22	22	33	13	13
1	-	2-	2-	2-	-3	-3	-3	1	-1	-1	-1	-1

The 92 Gallon Cask, whose Bung Diameter dips in Inches, viz:

	32	31	30	29	28	27	26	25	24	23	22	21
32	92	-										
31	91	2 92	-									
30	90	- 91	2 92	-								
29	88	2 90	- 91	2 92	-							
28	86	1 88	1 90	- 91	1 92	-						
27	84	1 86	- 88	- 89	3 91	1 92	-					
26	81	2 84	- 85	3 87	3 89	3 91	1 92	-				
25	78	3 81	- 83	2 85	2 87	2 89	2 91	1 92	-			
24	75	2 77	3 80	2 83	- 85	1 87	1 89	2 91	- 92	-		
23	72	1 74	2 77	- 80	- 82	3 85	- 87	- 89	1 91	- 92	-	
22	69	- 71	2 73	3 76	1 79	2 82	1 84	3 87	- 89	- 91	- 92	-
21	65	2 68	- 70	1 72	3 75	2 78	2 81	2 84	1 86	2 88	3 91	- 92
20	61	3 64	2 66	2 69	- 72	- 74	3 77	2 80	2 83	2 86	- 88	1 91
19	57	3 60	1 62	2 65	1 68	- 70	3 73	2 76	1 79	3 83	- 85	2 88
18	53	- 56	1 58	2 61	1 64	- 66	3 69	3 72	2 75	2 79	- 82	2 85
17	49	3 52	- 54	1 57	- 59	2 62	1 65	1 68	- 71	2 74	2 78	- 81
16	46	- 48	- 50	- 52	2 55	1 57	3 60	2 63	2 66	2 70	- 73	1 76
15	42	1 44	- 46	- 48	- 50	2 53	- 55	3 58	2 61	2 65	- 68	1 72
14	38	- 39	3 41	3 44	- 46	- 48	1 50	3 53	2 56	2 59	2 63	- 66
13	33	3 35	2 37	3 39	2 41	2 43	3 46	- 48	2 51	- 54	- 57	2 61
12	30	- 31	2 33	1 35	- 36	3 39	- 41	- 43	2 46	- 48	3 51	3 55
11	26	1 27	2 29	- 30	2 32	2 34	- 36	1 38	2 40	2 43	1 46	- 49
10	22	3 24	- 25	1 26	2 27	3 29	3 31	2 33	2 35	2 37	3 40	1 42
9	19	3 20	2 21	2 22	2 23	3 25	1 26	3 28	2 30	- 32	1 34	- 36
8	16	2 17	- 18	- 19	- 20	- 21	- 22	1 23	3 25	1 27	- 28	3 30
7	13	- 14	- 14	2 15	2 16	1 17	1 18	2 19	2 20	2 22	- 23	2 25
6	10	- 10	3 11	1 12	- 12	2 13	1 14	2 15	2 16	2 17	2 18	2 19
5	7	2 8	- 8	2 8	3 9	1 9	3 10	2 11	1 12	1 12	3 14	- 14
4	5	2 5	3 6	- 6	1 6	2 7	- 7	1 7	3 8	2 9	- 9	2 10
3	3	2 3	3 3	3 4	- 4	2 4	2 5	- 5	1 6	- 6	1 6	3 2
2	1	3 1	3 4	3 2	1 2	1 2	1 2	1 2	2 2	3 3	1 3	1 3
1	1	2	- 2	2	- 3	- 3	- 3	1	- 1	1	- 1	- 1

The 93 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	32	31	30	29	28	27	26	25	24	23	22	21
32	93	-										
31	92	2 93	-									
30	91	- 92	2 93	-								
29	89	1 91	- 92	2 93	-							
28	87	- 89	1 90	3 92	1 93	-						
27	85	1 86	3 88	3 90	3 92	1 93	-					
26	82	2 85	- 86	2 88	3 90	3 92	1 93	-				
25	79	3 82	- 84	2 86	2 88	2 90	2 92	1 93	-			
24	76	1 78	3 81	2 84	- 86	1 88	1 90	1 92	- 93	-		
23	73	- 75	1 77	3 80	3 83	2 85	3 87	3 90	1 92	- 93	-	
22	69	3 72	1 74	2 77	1 80	2 83	- 85	3 87	3 90	- 92	- 93	-
21	66	1 68	3 71	- 73	3 76	1 79	2 82	2 85	- 87	1 89	3 92	- 93
20	62	1 65	1 67	1 69	3 72	3 75	2 78	2 81	1 84	2 87	- 89	1 92
19	58	2 60	3 63	1 66	- 68	3 71	2 74	2 77	- 80	2 84	- 86	2 89
18	54	1 56	3 59	1 61	3 64	3 67	2 70	2 73	2 76	2 80	- 83	2 86
17	50	1 52	2 55	- 57	3 60	1 63	- 66	- 68	3 72	1 75	1 79	- 82
16	46	2 48	2 50	2 53	- 55	3 58	2 61	1 64	1 67	1 70	3 74	- 77
15	42	3 44	2 46	2 48	2 51	- 53	2 56	2 59	1 62	1 65	3 69	- 72
14	38	2 40	1 42	1 44	2 46	2 48	3 51	2 54	- 57	1 60	1 63	3 67
13	34	1 36	- 38	- 40	- 42	- 44	1 46	2 49	- 51	3 54	3 58	- 61
12	30	2 32	- 33	2 35	1 37	1 39	2 41	2 44	- 46	2 49	1 52	1 55
11	26	2 27	3 29	1 31	- 32	3 34	1 36	2 39	- 41	- 43	3 46	2 49
10	23	- 24	1 25	2 26	3 28	1 30	- 31	3 33	3 35	3 38	- 40	3 42
9	20	- 20	3 21	3 23	- 24	- 25	2 27	- 28	3 30	1 32	2 34	2 37
8	16	3 17	1 18	1 19	1 20	1 21	1 22	2 24	- 25	2 27	1 29	- 30
7	13	1 14	- 14	3 15	2 16	2 17	1 18	2 19	2 20	3 22	1 23	3 25
6	10	1 10	3 11	1 12	- 12	2 13	2 14	2 15	3 16	2 17	2 18	3 20
5	7	2 8	- 8	2 9	- 9	2 9	2 10	2 11	1 12	2 13	- 14	- 15
4	5	2 5	3 6	1 6	2 6	3 7	1 7	1 7	3 8	2 9	- 9	3 10
3	3	2 3	3 3	3 4	- 4	2 4	3 5	- 5	2 5	2 6	- 6	1 6
2	1	3 1	3 1	3 2	- 2	1 2	2 2	2 2	3 3	1 3	1 3	1 3
1	-	2	- 2	- 2	- 3	- 3	- 3	- 3	1	- 1	- 1	- 1

The 94 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	34	33	32	31	30	29	28	27	26	25	24	23
34	94	-										
33	93	2 94	-									
32	92	2 93	2 94	-								
31	90	2 92	- 93	2 94	-							
30	88	2 90	2 92	- 93	1 94	-						
29	86	2 88	1 90	1 92	- 93	1 94	-					
28	84	2 86	2 88	- 90	- 91	3 93	1 94	-				
27	81	3 84	- 86	- 87	3 89	3 91	3 93	1 94	-			
26	78	2 81	1 83	1 85	3 87	2 89	2 91	3 93	- 94	-		
25	75	2 77	3 80	2 82	3 85	1 87	2 89	2 91	2 93	- 94	-	
24	72	2 74	3 77	- 79	2 82	1 84	3 87	- 89	1 91	1 93	- 94	-
23	69	1 71	1 73	3 76	1 78	3 81	3 84	2 86	2 88	3 91	- 93	- 94
22	66	- 68	- 70	2 73	- 75	2 78	- 81	1 84	- 86	2 88	3 91	- 93
21	62	- 64	1 66	3 69	2 71	3 74	2 77	- 80	1 83	1 86	- 88	1 90
20	58	1 60	2 63	- 65	3 68	- 70	2 73	2 76	1 79	1 82	1 85	1 87
19	54	2 56	3 59	- 61	2 64	- 66	2 69	2 72	1 75	1 78	- 81	2 84
18	50	3 52	2 55	- 57	2 60	- 62	2 65	2 68	1 71	1 74	1 77	1 81
17	47	- 49	- 50	3 53	1 55	2 58	1 61	- 63	3 66	3 69	2 72	3 76
16	43	1 45	- 47	- 49	- 51	- 53	2 56	1 59	- 62	- 65	- 68	- 71
15	39	2 41	2 43	1 45	- 47	- 49	- 51	2 54	1 57	- 59	3 63	- 66
14	35	1 36	3 38	3 40	2 42	2 45	- 47	- 49	1 52	- 54	3 57	3 61
13	31	2 33	- 34	3 36	1 38	2 40	2 42	2 44	3 47	- 49	2 52	1 55
12	28	- 29	1 30	3 32	1 33	3 35	3 37	2 39	3 42	- 44	2 47	- 49
11	24	2 25	2 26	3 28	1 29	2 31	1 33	- 34	3 37	- 39	1 41	2 44
10	21	1 22	- 23	1 24	2 25	3 27	1 28	2 30	1 32	- 34	1 36	1 38
9	18	- 18	3 20	1 21	- 22	- 23	1 24	1 25	3 27	1 29	- 30	3 33
8	15	- 15	3 17	- 17	2 18	2 19	2 20	2 21	2 22	3 24	1 26	- 27
7	11	2 12	2 13	2 14	1 15	- 15	3 16	3 17	2 18	3 19	3 21	1 22
6	9	1 10	- 10	1 11	- 11	2 12	1 12	3 13	3 14	3 16	- 16	3 18
5	7	1 7	2 7	3 8	- 8	2 9	- 9	2 10	- 10	3 11	2 12	2 13
4	5	1 5	3 5	3 6	- 6	1 6	2 6	3 7	1 7	2 8	- 8	2 9
3	3	1 3	2 3	2 3	3 3	3 3	4	2 4	3 5	- 5	1 5	2 6
2	1	2 1	2 1	3 1	3 3	2	- 2	1 2	2 2	2 2	2 2	3 3
1	-	2 -	2 -	2 -	3 -	3 -	3 -	3 -	1 -	1 -	1 -	1 -

The 95 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	34	33	32	31	30	29	28	27	26	25	24	23
34	95	-										
33	94	295	-									
32	93	294	295	-								
31	91	293	-94	195	-							
30	89	291	293	-94	195	-						
29	87	289	191	193	-94	195	-					
28	85	287	189	-91	-92	394	195	-				
27	82	385	-87	-88	390	392	394	-95	-			
26	79	182	184	186	388	290	292	294	-95	-		
25	76	178	381	283	386	188	190	292	294	-95	-	
24	73	175	377	380	283	185	388	-90	-92	194	-95	-
23	69	372	-74	277	-79	282	285	187	289	392	-94	-95
22	66	268	371	173	376	178	382	-84	387	189	292	-91
21	62	365	-67	270	172	275	177	381	-84	-86	389	-91
20	59	-61	263	366	268	271	174	277	-80	-83	-86	188
19	55	-57	259	362	164	267	170	173	-76	-78	382	185
18	54	153	255	258	-60	263	166	169	-72	-75	-78	-81
17	47	249	251	253	356	-58	361	264	167	170	173	276
16	43	345	247	249	251	254	-56	359	262	265	268	372
15	40	-41	243	245	247	249	252	-54	357	260	263	267
14	35	237	239	141	-43	-45	247	249	352	255	158	161
13	31	333	135	-36	339	-40	342	345	147	250	-52	356
12	28	129	331	-32	234	136	138	140	142	245	-47	250
11	24	325	327	-28	230	-31	233	235	137	239	342	-44
10	21	222	123	224	326	127	228	330	332	234	236	239
9	18	119	-20	221	122	123	224	226	-27	229	131	-33
8	15	-16	-17	117	318	219	320	221	323	-24	226	127
7	11	312	213	214	115	-16	-17	-17	319	-20	-21	222
6	9	210	-10	211	-11	212	113	-14	-15	-16	-17	-18
5	7	17	37	38	18	29	19	310	-10	311	212	213
4	5	15	35	36	-6	16	27	-7	27	22	15	36
3	3	13	23	23	33	4	14	24	35	12	23	-3
2	1	21	31	31	33	22	12	12	22	22	12	1
1	-	2-	2-	3-	3-	3-	3-	3-	1	-1	-1	-1

The 96 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	34	33	32	31	30	29	28	27	26	25	24	23
34	96	-										
33	95	296	-									
32	94	295	296	-								
31	92	294	-95	196	-							
30	90	292	294	-95	196	-						
29	88	290	192	194	-95	196	-					
28	86	288	190	-92	-93	395	196	-96	-			
27	83	285	388	-89	391	393	395	-96	-96	-		
26	80	183	185	187	389	291	293	295	-96	-96	-	
25	77	-79	282	184	387	-89	191	193	295	-96	-96	-
24	74	-76	378	281	184	-86	289	-91	-93	195	-95	-96
23	70	272	375	278	-80	183	286	188	290	393	-95	-95
22	67	169	272	-74	277	-79	283	-85	388	190	293	-95
21	63	165	368	-71	-73	176	-78	382	-85	-87	390	-92
20	59	262	264	267	169	172	-75	177	381	-84	-87	189
19	55	358	-60	162	365	168	-71	-73	376	379	283	186
18	52	-54	-56	-58	261	163	366	369	272	375	378	382
17	48	-50	-52	-54	256	259	162	165	-68	-71	-74	277
16	44	-46	-48	-50	-52	154	257	260	163	166	269	273
15	40	141	344	-46	-48	-50	-52	255	158	-61	164	167
14	36	-37	339	341	143	246	-48	-50	253	-55	359	-62
13	32	-33	335	237	139	241	143	145	248	-50	253	156
12	28	330	-31	133	-34	236	338	240	343	-45	248	-50
11	25	126	127	228	330	132	-33	335	238	-40	142	245
10	21	322	223	325	-26	227	329	131	-32	334	337	-39
9	18	219	120	221	222	223	324	326	128	-29	231	133
8	15	116	-17	217	318	320	-20	322	-23	124	326	228
7	11	312	313	314	215	116	117	118	-19	120	121	223
6	9	210	-10	211	111	312	213	-14	-15	-16	117	118
5	7	17	37	33	8	18	39	310	111	-11	312	313
4	5	15	33	35	33	6	16	37	22	38	18	39
3	3	13	23	33	4	-	42	12	32	15	15	36
2	1	21	31	31	31	-	3	31	-1	22	15	31
1	-	2-	2-	2-	3-	-	3	3	-	1	-	-

The 97 Gallon Cask, whose Bung Diameter dips in Inches, viz:

	34	33	32	31	30	29	28	27	26	25	24	23
34	97	-										
33	96	2 97	-									
32	95	2 96	2 97	-								
31	93	2 95	- 96	1 97	-							
30	91	2 93	2 95	- 96	1 97	-						
29	89	2 91	1 93	1 95	- 96	1 97	-					
28	87	2 89	1 91	- 93	- 94	3 96	1 97	-				
27	84	2 86	3 88	3 90	3 92	3 94	3 96	- 97	-			
26	81	1 84	- 86	- 88	2 90	1 92	2 94	2 96	- 97	-		
25	78	- 80	1 83	1 85	2 88	- 90	1 92	1 94	2 96	- 97	-	
24	74	3 77	2 79	2 82	1 84	3 87	2 89	3 92	- 94	1 96	- 97	-
23	71	1 73	2 76	1 78	3 81	1 84	1 87	- 89	2 91	3 94	- 96	- 97
22	68	- 70	1 72	3 75	1 77	3 80	2 84	- 86	2 89	1 91	2 94	- 96
21	64	- 66	2 68	3 71	3 74	- 76	3 79	2 82	3 85	3 88	2 91	- 93
20	60	1 63	- 65	- 67	3 70	- 72	3 76	- 78	2 81	3 84	3 88	- 90
19	56	1 58	2 61	- 63	2 66	- 68	3 71	3 74	2 77	2 80	2 84	- 87
18	52	1 54	2 56	3 59	1 61	3 64	2 67	2 70	2 73	2 76	2 79	2 83
17	48	2 50	2 52	2 55	- 57	1 60	- 63	- 65	3 68	3 71	3 75	1 78
16	44	2 46	2 48	2 50	2 52	3 55	1 58	- 61	- 64	- 67	- 70	1 73
15	40	3 42	2 44	2 46	2 48	2 50	3 53	1 55	3 58	3 61	3 65	- 68
14	36	2 38	1 40	- 41	3 44	- 46	1 48	2 51	- 53	2 56	1 59	2 63
13	32	2 34	- 35	3 37	3 39	3 41	3 43	3 46	- 48	2 51	1 53	3 57
12	29	- 30	1 31	3 33	1 35	- 37	- 39	- 41	1 43	2 45	3 48	2 51
11	25	3 26	2 27	3 29	1 30	2 32	1 34	- 35	3 38	1 40	3 43	- 45
10	21	3 22	3 24	- 25	1 26	3 28	- 29	2 31	1 33	- 35	1 37	2 40
9	18	2 19	2 20	3 21	3 22	3 24	- 25	- 26	2 28	1 30	- 31	2 34
8	15	2 16	1 17	2 18	- 19	- 20	1 21	- 22	1 23	2 25	- 26	3 28
7	12	- 13	- 13	3 4	2 15	1 16	2 17	1 18	1 19	2 20	2 21	3 23
6	9	2 10	1 10	3 11	1 11	3 12	3 13	- 14	1 15	1 16	1 17	2 18
5	7	1 7	3 8	- 8	1 8	3 9	2 9	3 10	1 11	1 11	3 13	- 13
4	5	1 5	3 5	3 6	- 6	2 6	3 7	1 7	2 7	3 8	1 9	- 9
3	3	1 3	2 3	3 4	- 4	- 4	1 4	3 5	- 5	1 5	2 5	3 6
2	1	2 1	3 1	3 1	3 2	- 2	1 2	1 2	2 2	3 3	3 3	- 3
1	-	2	1	2	- 2	- 3	- 3	- 3	1	- 1	1	- 1

The 98 Gallon Cask, whose Bung Diameter dips in Inches, viz;

	34	33	32	31	30	29	28	27	26	25	24	23
34	98	-										
33	97	298	-									
32	96	297	298	-								
31	94	296	197	198	-							
30	92	294	296	297	198	-						
29	90	292	194	196	297	198	-					
28	88	190	-91	394	295	397	198	-				
27	85	187	289	391	293	395	297	-98	-			
26	82	-84	387	-89	291	193	295	297	-98	-		
25	78	381	184	186	289	-91	193	195	297	-98	-	
24	75	278	-80	183	-85	388	190	393	-95	197	-98	-
23	72	-74	177	-79	282	-85	188	-90	192	395	-97	-98
22	68	371	-73	276	-78	281	284	387	290	-92	295	-97
21	64	367	169	272	274	377	280	283	386	389	292	-94
20	61	-63	365	368	270	373	276	379	282	385	389	-91
19	57	-59	161	264	166	369	272	275	278	181	185	-88
18	53	-55	-57	159	362	265	168	171	174	177	180	284
17	49	-51	-53	-55	258	-60	363	266	269	272	276	-79
16	45	-47	-49	-51	153	156	-58	261	264	267	271	-74
15	41	-42	345	-46	349	-51	153	356	259	162	265	369
14	36	338	240	242	144	245	349	-51	254	157	-60	163
13	32	334	136	138	140	-42	-44	146	249	-51	354	258
12	29	130	232	-33	235	137	139	141	243	346	149	-52
11	25	226	328	-29	230	332	234	236	138	341	-43	246
10	22	-23	-24	125	227	-28	129	331	233	235	237	340
9	18	319	321	-22	-23	-24	-25	126	328	230	232	-34
8	15	216	217	318	119	120	121	122	223	325	127	-28
7	12	-13	-13	314	315	216	217	218	219	320	322	-23
6	9	310	110	311	112	-12	313	114	115	116	217	218
5	7	28	-8	-8	28	39	210	-10	211	111	313	-13
4	5	15	35	33	6	-6	26	37	17	27	38	19
3	3	13	23	33	4	-4	-4	14	35	15	25	36
2	1	21	31	31	13	23	-2	12	22	32	33	-3
1	1	22	-2	-3	-3	-3	-3	-3	1	-1	-1	-1

The 99 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	34	33	32	31	30	29	28	27	26	25	24	23
34	99	-	-	-	-	-	-	-	-	-	-	-
33	98	2 99	-	-	-	-	-	-	-	-	-	-
32	97	2 98	1 99	-	-	-	-	-	-	-	-	-
31	95	2 97	- 98	1 99	-	-	-	-	-	-	-	-
30	93	2 95	2 97	- 98	1 99	-	-	-	-	-	-	-
29	91	2 93	1 95	1 97	- 98	1 99	-	-	-	-	-	-
28	89	1 91	- 92	3 95	- 96	3 98	- 99	-	-	-	-	-
27	86	1 88	2 90	3 92	2 94	2 96	2 98	- 99	-	-	-	-
26	82	3 85	2 87	3 90	2 92	1 94	2 96	2 98	- 99	-	-	-
25	79	2 82	- 85	- 87	1 89	3 92	- 94	1 96	2 98	- 99	-	-
24	76	1 78	3 81	1 84	- 86	2 89	1 91	3 94	- 96	1 98	- 99	-
23	72	3 75	1 77	3 80	1 83	- 86	- 89	- 91	1 93	3 96	- 98	- 99
22	69	1 71	2 74	2 76	3 79	2 82	1 85	2 88	1 91	- 93	2 96	- 98
21	65	2 68	- 70	1 73	1 75	2 78	1 81	1 84	2 87	2 90	2 93	- 95
20	61	2 64	2 66	2 69	1 71	2 74	2 77	2 80	1 83	2 86	2 90	- 92
19	57	2 59	3 62	1 64	3 67	2 70	1 73	1 76	1 79	1 82	1 85	3 89
18	53	2 55	2 58	- 60	2 63	- 66	- 69	- 71	3 75	- 78	- 81	1 85
17	49	2 51	2 53	2 56	- 58	2 61	1 64	1 67	1 70	1 73	1 76	3 80
16	45	2 47	2 49	2 51	3 53	3 56	2 59	1 62	1 65	1 68	1 71	3 75
15	41	2 43	- 45	2 47	1 49	2 51	3 54	1 57	- 60	- 63	- 66	2 70
14	37	1 39	- 41	- 42	3 45	- 47	1 49	2 52	- 54	3 57	2 61	- 64
13	33	1 34	2 36	2 38	2 40	2 42	2 44	3 47	- 49	2 52	1 55	- 58
12	29	2 31	- 32	1 34	- 35	3 37	3 39	2 42	- 44	1 46	3 49	2 52
11	25	3 27	- 28	1 29	3 31	- 32	3 34	3 36	2 39	- 41	2 43	3 46
10	22	1 23	1 24	2 25	3 27	1 28	2 30	- 31	3 33	3 36	- 38	- 40
9	19	- 19	3 21	1 22	1 23	- 24	1 25	2 27	- 28	3 30	3 32	1 34
8	15	3 16	2 17	3 18	1 19	1 20	2 21	2 22	2 24	- 25	2 27	1 29
7	12	1 13	1 14	- 14	3 15	2 16	3 17	2 18	2 19	3 20	3 22	1 23
6	9	3 10	1 11	- 11	2 12	- 12	3 13	1 14	2 15	2 16	2 17	2 18
5	7	2 8	- 8	- 8	2 9	- 9	2 10	- 10	2 11	2 12	- 13	1 13
4	5	2 5	3 6	- 6	1 6	2 6	3 7	1 7	2 8	- 8	2 9	- 9
3	3	1 3	2 3	3 1	3 4	- 4	1 4	2 4	3 5	1 5	2 5	3 6
2	1	2 1	3 1	3 2	3 3	- 3	- 2	1 2	2 2	3 3	2 3	1 3
1	1	2 2	- 2	- 2	3	- 3	- 3	3 1	- 1	1 1	- 1	- 1

The 100 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	34	33	32	31	30	29	28	27	26	25	24	23
34	100 -											
33	99 2	100 -										
32	98 1	99 1	100 -									
31	96 2	98 -	99 1	100 -								
30	94 1	96 1	98 -	99 1	100 -							
29	92 2	94 1	96 -	97 3	99 1	100 -						
28	90 1	92 -	93 3	95 3	97 3	99 -	100 -					
27	87 -	89 2	91 2	93 2	95 2	97 2	99 -	100 -				
26	83 3	86 2	88 3	91 2	93 1	95 2	97 2	99 -	100 -			
25	80 2	83 -	85 3	88 1	90 3	93 -	95 1	97 2	99 -	100 -		
24	77 -	79 3	82 -	84 3	87 1	90 1	92 3	95 -	97 1	99 -	100 -	
23	73 2	76 -	78 2	81 1	83 3	87 -	89 3	92 1	94 3	97 -	99 -	100 -
22	70 -	72 1	75 -	77 2	80 1	83 -	86 2	89 1	92 -	94 2	96 3	99 -
21	66 -	68 2	71 -	74 -	76 2	79 1	82 1	85 2	88 2	91 2	94 -	96 3
20	62 -	65 -	67 1	70 -	72 1	75 1	78 1	81 1	84 2	87 2	90 3	93 3
19	58 -	60 1	63 -	65 2	68 -	71 -	74 -	77 -	80 -	83 -	86 2	90 1
18	54 -	56 -	58 2	61 1	63 3	66 2	69 2	72 2	75 3	79 -	82 1	86 -
17	50 -	52 -	54 1	56 2	59 -	62 -	65 -	67 3	71 -	74 -	77 2	81 1
16	46 -	48 -	50 -	52 1	54 1	57 -	59 3	62 3	66 -	69 -	72 1	76 1
15	42 -	43 2	45 3	47 3	50 -	52 1	54 3	57 2	60 2	63 3	67 -	70 3
14	37 2	39 1	41 1	43 1	45 1	47 3	50 -	52 2	55 1	58 1	61 2	65 -
13	33 2	35 -	36 3	38 3	41 -	43 -	45 1	47 2	50 -	52 3	55 2	59 -
12	29 3	31 1	32 2	34 1	36 -	38 -	40 -	42 2	44 3	47 1	50 -	53 -
11	26 1	27 1	28 2	30 -	31 2	33 -	35 -	37 -	39 1	41 3	44 1	47 -
10	22 2	23 2	24 3	26 -	27 2	28 3	30 1	32 -	34 -	36 1	38 1	41 -
9	19 1	20 -	21 1	22 2	23 1	24 2	26 -	27 2	29 -	31 -	32 2	35 -
8	16 -	16 3	18 -	18 2	19 2	20 2	21 3	22 3	24 1	25 3	27 2	29 1
7	12 1	13 1	14 1	15 -	15 3	16 3	17 3	18 2	20 -	21 -	22 2	23 3
6	9 3	10 2	11 -	11 2	12 1	12 3	13 2	14 2	15 2	16 3	17 3	18 3
5	7 2	8 -	8 1	8 2	9 -	9 2	10 -	10 3	11 2	12 -	13 1	14 -
4	5 2	5 3	6 -	6 1	6 2	7 -	7 1	7 2	8 -	8 2	9 1	9 3
3	3 2	3 3	3 3	4 -	4 1	4 2	4 3	5 -	5 1	5 2	5 3	6 1
2	1 3	2 -	2 -	2 -	2 -	2 1	2 1	2 2	2 3	2 3	3 -	3 1
1	- 2	- 3	- 3	- 3	- 3	1 -	1 -	1 -	1 -	1 -	1 -	1 -

The 101 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	34	33	32	31	30	29	28	27	26	25	24	23
34	101 -											
33	100 2	101 -										
32	99 1	100 1	101 -									
31	97 2	99 -	100 1	101 -								
30	95 1	97 1	99 -	100 1	101 -							
29	93 2	95 -	97 -	98 3	100 1	101 -						
28	91 -	93 -	94 3	96 3	98 3	100 -	101 -					
27	88 -	90 1	92 2	94 2	96 2	98 2	100 -	101 -				
26	84 2	87 2	89 2	92 1	94 -	96 2	98 2	100 -	101 -			
25	81 1	83 3	86 2	89 -	91 2	94 -	96 1	98 1	100 -	101 -		
24	77 3	80 3	82 3	85 2	88 1	91 -	93 2	95 3	98 1	100 -	101 -	
23	74 -	76 3	79 1	82 -	84 2	87 3	90 3	93 1	95 2	97 3	100 -	101 -
22	71 -	73 -	75 3	78 1	81 -	83 3	87 1	90 -	92 3	95 1	97 3	100 -
21	66 3	69 1	71 2	74 3	77 1	80 -	83 -	86 1	89 1	92 1	95 -	97 3
20	62 2	66 -	67 3	70 2	73 -	75 3	79 -	82 -	85 1	88 1	91 2	94 2
19	58 2	61 -	63 2	66 1	68 3	71 2	74 2	77 3	80 3	83 3	87 1	91 1
18	54 2	56 3	59 -	61 3	64 1	67 1	70 1	73 1	76 2	79 3	83 -	87 -
17	50 2	52 2	54 3	57 -	59 2	62 2	65 2	68 1	71 2	74 3	78 -	82 -
16	46 2	48 2	50 2	52 3	54 3	57 2	60 1	63 1	66 2	69 2	73 -	77 -
15	42 2	44 -	46 1	48 1	50 2	52 3	55 1	58 1	61 -	64 1	67 2	71 2
14	37 3	39 2	41 3	43 3	45 3	48 1	50 2	53 -	55 3	58 3	62 -	65 3
13	33 3	35 -	37 1	39 1	41 2	43 2	45 3	48 -	50 2	53 1	56 -	59 2
12	30 -	31 2	32 3	34 2	36 2	38 2	40 2	42 3	45 1	47 3	50 2	53 2
11	26 2	27 2	28 3	30 2	31 3	33 1	35 2	37 2	40 -	42 1	44 3	47 2
10	22 3	23 3	25 -	26 1	27 3	29 1	30 3	32 2	34 2	36 3	38 3	41 2
9	19 2	20 1	21 2	22 3	23 2	24 3	26 1	27 3	29 2	31 1	33 -	35 1
8	16 -	17 -	18 1	18 3	19 3	20 3	22 -	23 -	24 2	26 -	28 -	29 2
7	12 2	13 2	14 2	15 1	16 -	17 -	17 3	18 3	20 1	21 1	22 3	24 -
6	10 -	10 2	11 -	11 3	12 2	13 -	13 2	14 3	15 3	17 -	18 -	19 -
5	7 2	8 -	8 1	8 3	9 1	9 3	10 1	10 3	11 3	12 1	13 2	14 -
4	5 2	6 -	6 -	6 1	6 2	7 -	7 2	7 3	8 -	8 3	9 1	9 3
3	3 2	3 3	3 3	4 1	4 1	4 2	4 3	5 -	5 2	5 2	5 3	6 2
2	1 3	2 -	2 -	2 -	2 -	2 1	2 2	2 2	2 3	2 3	3 -	3 1
1	- 2	- 3	- 3	- 3	- 3	- 3	1 -	1 -	1 -	1 -	1 -	1 -

The 102 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	34	33	32	31	30	29	28	27	26	25	24	23
34	102 -											
33	101 2	102 -										
32	100 1	101 1	102 -									
31	98 1	100 -	101 1	102 -								
30	96 1	98 1	100 -	101 1	102 -							
29	94 1	96 -	98 -	99 3	101 1	102 -						
28	92 -	94 -	95 3	97 3	99 3	101 -	102 -					
27	88 3	91 1	93 2	95 2	97 2	99 2	101 -	102 -				
26	85 1	88 1	90 2	93 1	95 -	97 1	99 2	101 -	102 -			
25	82 -	84 2	87 2	90 -	92 2	94 3	97 -	99 1	101 -	102 -		
24	78 2	81 2	83 2	86 1	89 -	92 -	94 2	96 3	99 1	101 -	102 -	
23	75 -	77 2	80 -	83 -	85 1	88 2	91 2	94 -	96 2	98 3	101 -	102 -
22	71 2	73 3	76 2	79 -	81 3	84 2	88 -	91 -	93 3	96 1	98 3	101 -
21	67 2	70 -	72 1	75 2	77 3	80 3	83 3	87 -	90 1	93 1	95 3	98 2
20	63 1	66 -	68 1	71 1	73 3	76 2	79 3	82 3	86 -	89 1	92 2	95 2
19	59 1	61 3	64 -	66 3	69 1	72 1	75 1	78 2	81 2	84 2	88 1	92 -
18	55 -	57 1	59 2	62 1	65 -	67 3	71 -	74 -	77 1	80 2	83 3	87 3
17	51 -	53 -	55 1	57 2	60 -	63 1	66 1	69 -	72 1	75 2	79 -	82 3
16	47 -	49 -	51 -	53 1	55 2	58 -	61 -	64 -	67 1	70 2	73 3	77 2
15	42 3	44 2	46 3	48 3	51 -	53 1	56 -	58 2	61 3	65 -	68 1	72 -
14	38 1	40 1	42 1	44 1	46 1	48 3	51 -	53 2	56 1	59 1	62 2	66 1
13	34 1	35 2	37 3	39 3	42 -	44 -	46 -	48 2	51 -	53 3	56 2	60 -
12	30 1	31 3	33 1	35 -	36 3	38 3	41 -	43 1	45 3	48 1	51 -	54 -
11	26 3	27 3	29 1	30 3	32 1	33 3	35 3	37 3	40 1	42 3	45 1	48 -
10	23 -	24 -	25 1	26 2	28 -	29 2	31 -	33 -	34 3	37 -	39 2	41 3
9	19 3	20 2	21 3	23 -	23 3	25 -	26 2	28 -	29 3	31 2	33 4	35 2
8	16 1	17 1	18 2	18 3	20 -	21 -	22 1	23 1	24 3	26 1	28 -	29 3
7	12 2	13 2	14 2	15 2	16 1	17 1	18 -	19 -	20 2	21 2	23 -	24 1
6	10 -	10 2	11 1	11 3	12 2	13 1	13 3	14 3	16 -	17 1	18 1	19 -
5	7 3	8 -	8 1	8 3	9 1	9 3	10 1	11 -	11 3	12 1	13 3	14 1
4	5 2	6 -	6 -	6 2	6 3	7 -	7 2	7 3	8 1	8 3	9 2	10 -
3	3 2	3 3	4 -	4 1	4 1	4 2	5 -	5 1	5 2	5 2	6 -	6 2
2	1 3	2 -	2 -	2 -	2 -	2 2	2 2	2 2	2 3	2 3	3 -	3 2
1	- 2	- 3	- 3	- 3	- 3	1 -	1 -	1 -	1 -	1 -	1 -	1 -

The 103 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	34	33	32	31	30	29	28	27	26	25	24	23
34	103 -											
33	102 1	103 -										
32	101 1	102 1	103 -									
31	99 1	101 -	102 1	103 -								
30	97 1	99 1	101 -	102 1	103 -							
29	95 1	97 -	99 -	100 3	102 1	103 -						
28	93 -	95 -	96 2	98 3	100 3	102 -	103 -					
27	89 3	92 1	94 2	96 2	98 2	100 2	102 -	103 -				
26	86 1	89 1	91 2	94 1	96 -	98 1	100 1	102 -	103 -			
25	83 -	85 2	88 1	91 -	93 2	95 3	98 -	100 1	102 -	103 -		
24	79 1	82 1	84 1	87 -	90 -	93 -	95 2	97 3	100 -	102 -	103 -	
23	75 2	78 1	81 -	83 3	86 1	89 1	92 2	95 -	97 2	99 3	102 -	103 -
22	72 -	74 2	77 1	79 3	82 2	85 1	89 -	91 3	94 3	97 1	99 2	102 -
21	68 -	70 2	73 -	76 1	78 2	81 2	84 2	88 -	91 -	94 1	96 3	99 2
20	64 -	66 2	69 -	72 -	74 2	77 1	80 2	83 2	87 -	90 -	93 2	96 2
19	60 -	62 1	64 3	67 1	70 -	72 3	76 -	79 1	82 1	85 1	89 -	93 -
18	55 3	58 -	60 1	62 3	65 2	68 1	71 3	74 3	78 -	81 1	84 2	88 2
17	51 2	53 2	55 3	58 1	60 3	63 3	66 3	69 3	73 -	76 1	79 2	83 2
16	47 1	49 2	51 2	53 3	56 -	58 2	61 2	64 3	67 3	71 1	74 2	78 1
15	43 -	45 -	47 1	49 1	51 2	53 3	56 2	59 1	62 1	65 2	68 3	72 3
14	38 2	40 2	42 3	44 2	46 3	49 1	51 2	54 -	56 3	59 3	63 -	67 -
13	34 2	36 -	38 -	40 -	42 1	44 2	46 2	49 -	51 2	54 1	57 -	60 3
12	30 3	32 1	33 3	35 2	37 1	39 1	41 1	43 3	46 1	48 3	51 2	54 2
11	27 -	28 -	29 2	31 -	32 2	34 1	36 1	38 -	40 3	43 1	45 3	48 2
10	23 1	24 1	25 2	26 3	28 1	30 -	31 1	33 1	35 1	37 2	40 -	42 -
9	19 3	20 2	22 -	23 -	24 -	25 1	26 3	28 1	30 -	31 3	33 3	36 -
8	16 2	17 1	18 3	19 -	20 1	21 1	22 2	23 2	25 -	26 2	28 2	30 -
7	12 2	13 3	14 3	15 3	16 1	17 2	18 1	19 1	20 3	21 2	23 1	24 2
6	10 -	10 3	11 1	12 -	12 3	13 1	14 -	15 -	16 1	17 2	18 2	19 2
5	7 3	8 -	8 1	8 3	9 2	10 -	10 2	11 -	12 -	12 2	14 -	14 2
4	5 2	6 -	6 -	6 2	6 3	7 1	7 2	7 3	8 1	8 3	9 2	10 -
3	3 2	3 3	4 -	4 1	4 1	4 2	5 -	5 1	5 2	5 3	6 -	6 2
2	1 3	1 3	2 -	2 -	2 1	2 1	2 2	2 2	2 3	3 -	3 1	3 2
1	- 3	- 3	- 3	- 3	- 3	1 -	1 -	1 -	1 -	1 -	1 -	1 -

The 104 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	35	34	33	32	31	30	29	28	27	26	25	24
35	104											
34	103	1	104	—								
33	102	1	103	1	104	—						
32	100	3	102	1	103	1	104	—				
31	98	3	100	1	102	—	103	1	104	—		
30	96	1	98	—	100	—	101	3	103	—	104	—
29	94	1	96	1	98	—	100	—	101	3	103	—
28	91	2	94	—	95	3	97	2	99	3	101	2
27	88	—	90	3	93	—	95	1	97	1	99	2
26	84	3	87	1	90	—	92	2	95	1	96	3
25	81	1	83	3	86	2	89	—	92	—	94	—
24	78	—	80	1	83	—	85	1	87	3	91	—
23	74	—	76	1	79	—	81	3	84	2	87	—
22	70	1	72	3	75	1	78	—	80	3	83	3
21	66	1	69	—	71	1	73	3	76	3	79	—
20	62	1	64	2	67	2	69	3	72	2	75	2
19	58	1	60	2	63	—	65	2	68	3	71	—
18	54	—	56	1	58	1	60	3	63	2	66	1
17	50	—	52	—	54	1	56	2	59	1	62	1
16	45	3	47	3	50	—	52	—	54	1	57	—
15	41	3	43	2	45	2	47	3	49	3	52	—
14	37	1	39	—	41	—	43	1	45	—	47	1
13	33	2	34	3	36	1	38	1	40	1	42	3
12	29	2	31	—	32	2	34	—	35	3	37	2
11	26	—	27	1	28	1	29	3	31	2	33	2
10	22	2	23	2	24	2	25	3	27	1	28	2
9	19	—	20	—	20	3	22	1	23	1	24	2
8	15	3	16	2	17	2	18	3	19	1	20	2
7	12	2	12	3	13	3	14	3	16	2	17	2
6	9	3	10	—	10	3	11	1	12	—	12	2
5	7	2	7	3	8	1	8	2	9	2	10	—
4	5	1	5	3	6	—	6	1	6	2	7	1
3	3	1	3	2	3	3	4	—	4	1	4	2
2	1	3	1	3	1	3	2	—	2	1	2	2
1	—	3	—	3	—	3	—	3	1	—	1	—

The 105 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	35	34	33	32	31	30	29	28	27	26	25	24
35	105 -											
34	104 1	105 -										
33	103 1	104 1	105 -									
32	101 3	103 1	104 1	105 -								
31	99 2	101 1	103 -	104 1	105 -							
30	97 1	99 -	101 1	103 -	104 1	105 -						
29	95 1	97 1	99 -	101 -	102 3	104 -	105 -					
28	92 1	95 -	96 3	98 2	100 3	102 3	104 -	105 -				
27	88 3	91 2	94 1	96 1	98 1	100 1	102 2	104 -	105 -			
26	85 3	88 1	91 1	93 1	96 -	97 3	100 1	102 1	104 -	105 -		
25	82 -	84 2	87 1	90 -	92 3	95 1	97 2	100 -	102 1	104 -	105 -	
24	78 3	81 -	84 -	86 -	88 3	92 -	94 3	97 1	99 2	102 -	104 -	105 -
23	74 3	77 -	80 -	82 2	85 2	87 3	91 -	94 1	96 3	99 2	101 3	104 -
22	71 -	73 3	76 2	78 3	81 2	84 1	87 -	90 2	93 2	96 2	99 -	101 2
21	66 3	69 2	72 -	74 2	77 2	80 -	83 1	86 -	89 1	92 3	96 -	98 2
20	62 3	65 -	68 -	70 2	73 1	75 3	78 3	82 1	85 -	88 2	91 3	95 1
19	58 3	61 -	63 2	66 -	68 3	71 2	74 1	77 2	80 3	84 -	87 -	91 -
18	54 3	56 3	59 -	61 1	64 1	66 3	69 3	73 -	76 -	79 2	82 3	86 -
17	50 1	52 2	54 2	56 3	59 1	62 -	65 1	68 -	71 1	74 2	77 3	81 1
16	46 1	48 1	50 2	52 2	54 3	57 -	59 3	62 3	65 3	69 -	72 2	76 -
15	42 -	44 -	45 3	48 1	50 1	52 2	54 3	57 2	60 1	63 2	66 3	70 1
14	37 2	39 1	41 2	43 3	45 2	47 2	50 1	52 2	55 -	58 -	61 -	64 2
13	33 3	35 1	36 3	38 2	40 2	43 -	45 1	47 2	50 -	52 2	55 1	58 1
12	29 3	31 2	33 -	34 1	36 -	38 -	39 3	42 -	44 3	47 -	49 3	52 2
11	26 1	27 2	28 2	30 -	31 3	33 -	35 -	37 -	39 -	41 2	44 -	46 1
10	22 3	23 3	24 3	26 -	27 2	29 -	30 2	32 -	33 3	36 -	38 1	40 1
9	19 1	20 1	21 -	22 2	23 2	24 2	25 3	27 1	29 -	30 2	32 1	34 1
8	16 -	16 2	17 3	19 -	19 1	20 2	21 3	22 3	24 -	25 2	27 -	29 -
7	12 3	13 -	14 -	15 -	16 -	16 3	18 -	18 3	19 3	21 -	22 -	23 2
6	9 3	10 -	10 3	11 2	12 -	12 3	13 2	14 2	15 2	16 2	17 3	19 -
5	7 2	7 3	8 1	8 2	9 -	9 2	10 1	10 3	11 1	12 1	12 2	14 -
4	5 2	5 3	6 -	6 1	6 2	7 -	7 1	7 3	8 -	8 2	9 -	9 2
3	3 1	3 2	3 3	4 -	4 1	4 2	4 2	5 -	5 2	5 2	5 3	6 1
2	1 2	1 3	1 3	2 -	2 -	2 1	2 2	2 2	2 3	3 -	3 -	3 1
1	- 3	- 3	- 3	- 3	- 3	1 -	1 -	1 -	1 -	1 -	1 -	1 -

The 106 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	35	34	33	32	31	30	29	28	27	26	25	24
35	106 -											
34	105 1	106 -										
33	104 2	105 1	106 -									
32	102 3	104 1	105 1	106 -								
31	100 2	102 1	104 -	105 1	106 -							
30	98 1	100 -	102 1	104 -	105 -	106 -						
29	96 -	98 -	100 -	102 -	103 3	105 -	106 -					
28	93 1	95 3	97 3	99 2	101 2	103 2	105 -	106 -				
27	89 2	92 2	95 -	97 1	99 1	101 1	103 2	105 -	106 -			
26	86 2	89 -	92 -	94 1	97 -	98 2	101 -	103 1	105 -	106 -		
25	83 -	85 2	88 -	91 -	93 3	96 1	98 2	101 -	103 1	105 -	106 -	
24	79 2	81 3	84 3	86 3	89 2	92 3	95 3	98 1	100 2	103 -	105 -	106 -
23	75 2	77 3	80 3	83 1	86 1	88 2	92 -	95 1	97 3	100 1	102 3	105 -
22	71 3	74 1	76 3	79 2	82 1	85 -	87 3	91 2	94 2	97 2	100 -	102 2
21	67 2	70 -	72 3	75 1	78 1	81 -	84 -	86 3	90 1	93 3	97 -	99 2
20	63 2	65 3	68 2	71 1	74 -	76 2	79 2	83 -	85 3	89 1	92 3	96 1
19	59 1	61 2	64 -	66 2	69 1	72 -	75 -	78 1	81 2	84 3	87 3	92 -
18	55 1	57 1	59 2	62 -	64 3	67 2	70 2	73 3	76 3	80 1	83 2	87 -
17	50 3	53 -	55 -	57 1	59 3	62 2	65 3	68 2	71 3	75 1	78 2	82 1
16	46 3	48 3	51 -	53 -	55 1	57 2	60 1	63 2	66 2	69 3	73 1	76 2
15	42 2	44 2	46 1	48 3	50 3	53 -	55 1	58 -	61 -	64 -	67 2	71 -
14	38 -	39 3	41 3	44 -	46 -	48 1	50 3	53 -	55 2	58 2	61 2	65 -
13	34 -	35 2	37 -	39 -	41 -	43 2	45 3	48 -	50 2	53 -	55 3	58 3
12	30 -	31 3	33 1	34 2	36 2	38 1	40 1	42 2	45 -	47 2	50 1	53 -
11	26 2	27 3	28 3	30 1	32 -	33 2	35 1	37 1	39 1	42 -	44 2	47 -
10	23 -	24 -	25 -	26 1	27 3	29 1	30 3	32 1	34 -	36 1	38 2	40 3
9	19 2	20 2	21 1	22 3	23 3	24 3	26 -	27 2	29 1	30 3	32 2	34 3
8	16 1	17 -	17 3	19 1	19 2	20 3	22 -	23 -	24 1	25 3	27 1	29 1
7	12 3	13 -	14 -	15 -	16 1	16 3	18 -	19 -	20 -	21 1	22 1	23 3
6	9 3	10 1	10 3	11 2	12 1	13 -	13 2	14 2	15 3	16 3	18 -	19 -
5	7 3	8 -	8 1	8 2	9 -	9 3	10 1	10 3	11 2	12 1	12 2	14 -
4	5 2	5 3	6 -	6 1	6 2	7 -	7 2	7 3	8 -	8 2	9 -	9 3
3	3 1	3 3	3 3	4 -	4 1	4 2	4 3	5 -	5 2	5 3	6 -	6 1
2	1 2	1 3	2 -	2 -	2 1	2 1	2 2	2 2	2 3	3 -	3 -	3 1
1	- 3	- 3	- 3	- 3	- 3	1 -	1 -	1 -	1 -	1 -	1 -	1 -

The 107 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	35	34	33	32	31	30	29	28	27	26	25	24
35	107 -											
34	106 1	107 -										
33	105 2	106 1	107 -									
32	103 3	105 1	106 1	107 -								
31	101 2	103 1	105 -	106 1	107 -							
30	99 -	101 -	103 1	104 3	106 -	107 -						
29	96 3	99 -	101 -	102 3	104 3	106 -	107 -					
28	94 -	96 2	98 2	100 1	102 2	104 2	106 -	107 -				
27	90 2	93 2	96 -	98 1	100 1	102 1	104 2	106 -	107 -			
26	87 1	89 3	92 3	95 -	97 3	99 2	102 -	104 1	106 -	107 -		
25	83 3	86 1	88 3	91 3	94 2	97 -	99 2	102 -	104 1	106 -	107 -	
24	80 1	82 2	85 2	87 2	90 2	93 3	96 2	99 1	101 2	104 -	106 -	107 -
23	76 1	78 2	81 2	84 0	87 -	89 2	92 3	96 -	98 3	101 1	103 3	106 -
22	72 1	75 -	77 2	80 1	83 -	85 3	88 3	92 2	95 2	98 2	101 -	103 2
21	68 1	70 3	73 1	76 -	79 -	81 3	84 3	87 2	91 1	94 3	97 3	100 2
20	64 -	66 1	69 1	71 3	74 3	77 1	80 1	83 3	86 3	90 -	93 2	97 -
19	59 3	62 -	64 3	67 1	70 -	72 3	75 3	79 -	82 1	85 2	88 3	92 3
18	55 3	58 -	60 -	62 2	65 2	68 1	71 1	74 2	77 2	81 1	84 1	87 3
17	51 1	53 2	55 3	57 3	60 2	63 1	66 1	69 1	72 2	76 -	79 1	83 -
16	47 -	49 -	51 1	53 2	55 3	58 -	60 3	64 -	67 1	70 2	74 -	77 1
15	42 3	45 -	46 3	49 1	51 1	53 2	56 -	58 3	61 2	64 3	68 -	71 2
14	38 1	40 -	42 -	44 2	46 1	48 3	51 1	53 3	56 1	59 -	62 1	65 3
13	34 1	35 3	37 2	39 2	41 1	43 3	46 1	48 1	50 3	53 2	56 1	59 1
12	30 2	32 -	33 2	35 -	36 3	38 2	40 3	43 -	45 2	48 -	50 3	53 2
11	26 3	28 -	29 -	30 2	32 1	33 3	35 2	37 2	39 2	42 1	44 3	47 2
10	23 1	24 -	25 1	26 2	28 -	29 2	31 -	32 2	34 1	36 2	39 -	41 1
9	19 2	20 2	21 2	23 -	24 -	25 -	26 1	28 3	29 2	31 -	32 3	35 -
8	16 1	17 -	18 -	19 2	19 3	21 -	22 -	23 1	24 2	25 3	27 2	29 2
7	13 -	13 1	14 1	15 1	16 1	17 -	18 -	19 1	20 1	21 2	22 2	24 -
6	9 3	10 1	11 -	11 2	12 1	13 -	13 3	14 2	15 3	17 -	18 1	19 1
5	7 3	8 -	8 2	8 3	9 1	9 3	10 1	10 3	11 2	12 1	12 3	14 -
4	5 2	5 3	6 -	6 1	6 3	7 -	7 2	7 3	8 1	8 2	9 1	9 3
3	3 1	3 3	3 3	4 -	4 1	4 2	4 3	5 -	5 2	5 3	6 -	6 1
2	1 2	1 3	1 3	2 -	2 -	2 1	2 2	2 2	2 3	3 -	3 -	3 1
1	- 3	- 3	- 3	- 3	- 3	1 -	1 -	1 -	1 -	1 -	1 -	1 -

The 108 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	35	34	33	32	31	30	29	28	27	26	25	24
35	108 -											
34	107 1	108 -										
33	106 2	107 1	108 -									
32	104 2	106 1	107 1	108 -								
31	102 2	104 -	105 3	107 1	108 -							
30	100 -	101 3	104 -	105 3	107 -	108 -						
29	97 3	99 3	102 -	103 3	105 3	107 -	108 -					
28	94 3	97 2	99 2	101 1	103 2	105 2	107 -	108 -				
27	91 1	94 1	96 3	99 -	101 -	103 1	105 1	107 -	108 -			
26	88 -	91 3	93 3	96 -	98 3	100 2	103 -	105 1	107 -	108 -		
25	84 2	87 -	89 2	92 2	95 2	98 -	100 2	102 3	105 1	107 -	108 -	
24	81 -	83 1	86 1	88 1	91 2	94 2	97 2	100 -	102 2	105 -	107 -	108 -
23	77 -	79 1	82 1	84 3	87 3	90 2	93 3	97 -	99 2	102 1	104 2	107 -
22	73 -	75 2	78 1	81 -	83 3	86 2	89 2	93 1	96 2	99 2	102 -	104 2
21	68 3	71 1	74 -	76 2	79 3	82 2	85 2	88 2	92 -	95 2	98 3	101 2
20	64 3	67 -	70 -	72 1	75 2	78 -	81 -	84 2	87 2	91 -	94 2	98 -
19	60 2	62 2	65 1	67 3	70 3	73 2	76 2	79 3	83 -	86 2	89 2	93 3
18	56 1	58 2	60 3	63 1	66 -	68 3	71 3	75 1	78 1	82 -	85 1	88 2
17	51 3	54 -	56 1	58 2	61 -	63 3	66 3	70 -	73 1	76 2	80 -	83 2
16	47 2	49 2	51 3	54 -	56 1	58 3	61 2	64 2	67 3	71 1	74 2	78 -
15	43 1	45 2	47 -	49 2	51 3	54 -	56 2	59 1	62 -	65 2	68 3	72 1
14	38 2	40 2	42 2	44 3	46 3	49 -	51 2	54 -	56 3	59 2	62 3	66 1
13	34 3	36 1	37 3	39 3	41 3	44 1	46 1	48 3	51 1	54 2	57 -	60 -
12	30 2	32 1	34 -	35 1	37 -	39 -	41 1	43 1	45 3	48 2	51 -	54 -
11	27 -	28 1	29 1	30 3	32 2	34 -	36 -	38 -	40 -	42 2	45 1	48 -
10	23 2	24 1	25 1	26 3	28 -	29 3	31 1	32 3	34 2	36 3	39 1	41 2
9	19 3	20 3	21 3	23 -	24 1	25 -	26 2	28 -	29 3	31 2	33 1	35 1
8	16 2	17 1	18 1	19 3	20 -	21 -	22 1	23 2	24 3	26 -	27 3	30 -
7	13 -	13 1	14 1	15 2	16 1	17 -	18 1	19 2	20 1	21 2	22 2	24 2
6	10 -	10 1	11 -	11 3	12 1	13 -	13 3	14 3	15 3	17 -	18 1	19 2
5	7 3	8 1	8 2	8 3	9 1	9 3	10 1	11 -	11 2	12 2	13 -	14 1
4	5 2	6 -	6 -	6 2	6 3	7 -	7 2	8 -	8 1	8 2	9 1	10 -
3	3 2	3 3	4 -	4 1	4 2	4 2	4 3	5 -	5 2	5 3	6 2	6 2
2	1 2	1 3	1 3	2 -	2 1	2 1	2 2	2 2	2 3	3 3	3 -	3 1
1	- 3	- 3	- 3	- 3	- 3	1 -	1 -	1 -	1 -	1 -	1 -	1 -

The 110 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	35	34	33	32	31	30	29	28	27	26	25	24
35	110 -											
34	109 1	110 -										
33	108 1	109 1	110 -									
32	106 2	108 1	109 1	110 -								
31	104 1	106 -	107 3	109 1	110 -							
30	101 3	103 3	106 -	107 3	109 -	110 -						
29	99 3	101 2	103 3	105 3	107 2	109 -	110 -					
28	96 2	99 1	101 2	103 1	105 2	107 2	109 -	110 -				
27	93 1	96 -	98 2	101 -	103 -	105 1	107 1	109 -	110 -			
26	89 3	92 2	95 1	97 3	100 2	102 2	105 -	107 1	109 -	110 -		
25	86 1	88 2	91 1	94 2	97 1	99 3	102 1	104 3	107 -	109 -	110 -	
24	82 2	85 -	87 3	90 -	93 1	96 1	99 1	102 -	104 2	107 -	109 -	110 -
23	78 1	80 3	84 -	86 2	89 2	92 1	95 2	98 3	101 2	104 1	106 2	100 -
22	74 2	77 -	79 3	82 2	85 1	88 1	91 1	95 -	98 1	101 1	104 -	106 2
21	70 -	72 3	75 2	78 -	81 1	84 -	87 -	90 1	94 -	97 2	100 2	103 2
20	65 3	68 1	71 2	73 3	77 -	79 2	82 2	86 -	89 1	92 3	96 1	100 -
19	61 2	64 -	66 3	69 1	72 -	74 3	78 -	81 1	84 2	88 -	91 1	95 2
18	57 1	59 2	61 3	64 2	67 1	70 -	73 -	76 2	79 3	83 2	86 3	90 1
17	52 3	55 -	57 1	59 2	62 1	65 -	68 1	71 2	74 2	78 -	81 2	85 1
16	48 1	50 2	52 3	55 -	57 1	59 3	62 3	65 3	69 -	72 2	76 -	79 2
15	44 -	46 -	48 -	50 2	52 3	55 -	57 2	60 1	63 1	66 2	70 -	73 2
14	39 1	41 1	43 1	45 2	47 3	49 3	52 2	55 -	57 3	60 2	64 -	67 2
13	35 1	36 3	38 1	40 2	42 2	44 3	47 -	49 2	52 1	55 -	58 -	61 -
12	31 1	32 3	34 2	35 3	37 3	39 2	41 3	44 -	46 2	49 2	52 -	55 -
11	27 2	28 3	30 -	31 2	33 -	34 2	36 2	38 2	40 3	43 1	46 -	48 2
10	23 3	24 3	25 3	27 1	28 2	30 1	31 2	33 2	35 1	37 1	40 -	42 2
9	20 -	21 1	22 -	23 2	24 2	25 2	27 -	28 2	30 -	32 -	34 -	35 3
8	16 3	17 2	18 2	20 -	20 1	21 1	22 3	24 -	25 1	26 2	28 1	30 2
7	13 1	13 2	14 2	15 2	16 2	17 1	18 1	19 2	20 2	22 -	23 1	24 3
6	10 1	10 2	11 1	12 -	12 2	13 1	14 -	15 -	16 -	17 1	18 2	19 2
5	8 -	8 1	8 2	9 -	9 2	10 -	10 2	11 -	11 3	12 2	13 1	14 2
4	5 3	6 -	6 1	6 2	7 -	7 1	7 2	8 -	8 2	8 3	9 1	10 -
3	3 2	3 3	4 -	4 1	4 2	4 3	5 -	5 1	5 2	5 3	6 -	6 2
2	1 3	1 3	2 -	2 -	2 -	2 1	2 3	2 3	2 3	3 -	3 -	3 1
1	- 3	- 3	- 3	- 3	- 3	1 -	1 -	1 -	1 -	1 -	1 -	1 -

The 111 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	35	34	33	32	31	30	29	28	27	26	25	24
35	111	—										
34	110	1	111	—								
33	109	1	110	1	111	—						
32	107	2	109	—	110	1	111	—				
31	105	1	107	—	108	3	110	1	111	—		
30	102	3	104	2	107	—	108	3	110	—	111	—
29	100	2	102	2	104	3	106	3	108	2	110	—
28	97	2	100	—	102	1	104	—	106	1	108	2
27	94	—	97	—	99	2	101	3	103	3	106	—
26	90	2	93	1	96	—	98	2	101	1	103	1
25	87	—	89	1	92	—	95	1	98	—	100	3
24	83	1	85	3	88	3	91	—	94	—	97	1
23	79	—	81	2	84	2	87	1	90	1	93	—
22	75	—	77	2	80	3	83	1	86	1	89	—
21	70	3	73	1	76	1	78	3	82	1	84	3
20	66	2	68	3	72	—	74	2	77	2	80	1
19	62	—	64	1	67	—	69	3	72	2	75	2
18	57	3	60	—	62	1	65	—	67	3	70	3
17	53	1	55	2	57	3	60	1	63	1	66	2
16	48	3	51	—	53	1	55	2	57	3	60	1
15	44	2	47	3	48	2	51	—	53	1	55	2
14	39	3	41	2	43	2	46	—	48	—	50	2
13	35	2	37	1	38	2	40	3	43	—	45	1
12	31	2	33	1	34	3	36	—	38	1	39	3
11	27	3	29	—	30	1	31	3	33	1	35	—
10	24	—	25	—	26	—	27	2	28	3	30	2
9	20	1	21	2	22	1	23	3	24	3	26	—
8	17	—	17	3	18	3	20	—	20	2	21	2
7	13	2	13	3	14	3	15	3	16	3	17	2
6	10	1	10	2	11	1	12	1	12	3	13	2
5	8	—	8	2	8	3	9	—	9	2	10	—
4	5	3	6	—	6	1	6	2	7	1	7	—
3	3	2	3	3	4	—	4	1	4	2	4	3
2	1	3	1	3	2	—	2	—	2	1	2	3
1	—	3	—	3	—	3	—	3	—	1	—	1

The 7½ Gallon Cask, whose Bung Diameter dips in Inches, viz.

	35	34	33	32	31	30	29	28	27	26	25	24
35	112	-										
34	111	1	112	-								
33	110	1	111	1	112	-						
32	108	2	110	-	111	1	112	-				
31	106	1	108	-	109	3	111	-	112	-		
30	103	3	105	2	108	-	109	3	111	-	112	-
29	101	2	103	1	105	3	107	2	109	2	111	-
28	98	1	101	-	103	-	105	-	107	1	109	2
27	94	3	97	3	100	1	102	3	104	3	107	-
26	91	1	94	-	97	-	99	2	102	1	104	1
25	87	2	90	1	93	-	96	1	99	-	101	3
24	84	-	86	2	89	2	91	3	95	-	98	-
23	79	3	82	1	85	1	88	-	91	-	93	3
22	75	2	78	1	81	2	84	-	87	-	89	3
21	71	1	74	-	77	-	79	2	83	-	85	2
20	67	-	69	2	72	3	75	-	78	1	81	1
19	62	2	65	-	67	2	70	2	73	1	76	1
18	58	1	60	2	63	-	65	2	68	2	71	1
17	53	3	56	-	58	1	60	2	63	2	66	1
16	49	1	51	2	53	3	56	-	58	1	60	3
15	44	3	47	-	48	3	51	2	53	3	56	-
14	40	-	42	-	44	-	46	2	48	1	51	-
13	35	3	37	2	39	-	41	1	43	1	45	2
12	31	3	33	2	35	-	36	2	38	2	40	1
11	28	-	29	1	30	2	32	-	33	2	35	1
10	24	1	25	1	26	1	27	3	29	-	30	3
9	20	2	21	2	22	2	24	-	25	-	26	1
8	17	-	17	3	19	-	20	1	20	3	21	3
7	13	2	13	3	15	-	15	3	16	3	17	3
6	10	2	10	2	11	2	12	1	12	3	13	2
5	8	-	8	2	9	-	9	-	9	3	10	1
4	5	3	6	1	6	1	6	3	7	-	7	2
3	3	2	4	-	4	-	4	1	4	3	4	3
2	1	3	1	3	2	-	2	-	2	1	2	2
1	-	3	-	3	-	3	-	3	1	-	1	-

The 113 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	35	34	33	32	31	30	29	28	27	26	25	24
35	113 -											
34	112 1	113 -										
33	111 1	112 1	113 -									
32	109 2	111 -	112 1	113 -								
31	107 -	109 -	110 3	112 1	113 -							
30	104 2	106 2	109 -	110 2	112 1	113 -						
29	102 1	104 1	106 2	108 2	110 2	112 -	113 -					
28	99 1	102 -	104 -	106 -	108 1	110 2	112 -	113 -				
27	95 2	98 2	101 1	103 3	105 3	108 -	110 1	112 -	113 -			
26	92 -	95 -	98 -	100 1	103 1	105 1	107 3	110 1	112 -	113 -		
25	88 1	91 -	93 3	97 -	99 3	102 2	105 -	107 2	110 -	112 -	113 -	
24	84 3	87 1	90 1	92 2	95 3	99 -	102 -	104 3	107 1	109 3	112 -	113 -
23	80 2	83 -	86 -	88 3	92 -	94 3	98 -	101 2	104 1	107 -	109 2	112 -
22	76 1	79 -	82 -	84 3	87 3	90 2	93 3	97 3	101 -	104 -	106 3	109 1
21	71 3	74 2	77 2	80 1	83 2	86 -	89 1	92 3	96 2	100 -	103 1	106 1
20	67 2	70 -	73 2	75 3	79 -	81 3	84 3	88 1	91 2	95 1	99 -	102 3
19	63 1	65 2	68 1	71 1	74 -	76 3	80 -	83 2	86 3	90 1	93 3	98 -
18	58 3	61 -	63 2	66 1	69 -	72 -	75 1	78 2	82 -	85 2	89 -	92 3
17	54 1	56 2	59 -	61 -	64 -	66 3	70 -	73 1	76 2	80 1	83 3	87 2
16	49 2	52 -	54 -	56 2	58 3	61 1	64 1	67 2	71 -	74 2	77 3	81 3
15	45 1	47 2	49 1	52 -	54 1	56 2	59 -	62 -	65 -	68 1	72 -	75 2
14	40 1	42 1	44 2	46 3	48 3	51 2	54 -	56 2	59 1	62 1	65 2	69 1
13	36 1	37 3	39 1	41 2	43 3	46 -	48 2	51 -	53 2	56 2	59 2	62 3
12	32 -	33 3	35 2	36 3	38 3	40 2	43 -	45 2	48 -	50 3	53 2	56 2
11	28 1	29 2	30 3	32 1	33 3	35 3	37 2	39 3	41 3	44 2	47 2	50 1
10	24 2	25 2	26 2	28 -	29 1	31 -	32 2	34 2	36 1	38 2	41 -	43 2
9	20 2	21 3	22 2	24 1	25 1	26 2	27 3	29 1	30 3	32 3	35 1	37 -
8	17 1	18 -	19 -	20 2	20 3	22 -	23 2	24 3	26 -	27 2	29 -	31 1
7	13 3	14 -	15 -	16 -	17 -	18 -	18 3	20 -	21 1	22 3	23 3	25 2
6	10 2	10 2	11 2	12 2	13 -	13 3	14 2	15 1	16 2	17 3	19 -	20 1
5	8 1	8 3	9 -	9 -	9 3	10 1	10 3	11 1	12 -	13 -	13 2	15 -
4	6 -	6 1	6 2	6 3	7 -	7 2	7 3	8 1	8 2	9 -	9 2	10 1
3	3 2	4 -	4 -	4 1	4 3	4 3	5 -	5 2	5 2	6 -	6 1	6 2
2	1 3	1 3	2 -	2 -	2 -	2 1	2 2	2 3	3 -	3 -	3 1	3 2
1	- 3	- 3	- 3	- 3	- 3	1 -	1 -	1 -	1 -	1 -	1 -	1 -

The 114 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	35	34	33	32	31	30	29	28	27	26	25	24
35	114	-										
34	113	1	114	-								
33	112	1	113	1	114	-						
32	110	1	112	-	113	1	114	-				
31	108	-	110	-	111	3	113	1	114	-		
30	105	2	107	2	109	3	111	3	113	1	114	-
29	103	1	105	1	107	2	109	2	111	2	113	-
28	100	-	102	3	104	3	107	-	109	1	111	2
27	96	2	99	1	102	-	104	2	106	2	109	-
26	93	-	95	3	98	3	101	1	104	-	106	1
25	89	-	91	3	94	2	98	-	100	3	103	2
24	85	2	88	-	91	-	93	2	96	2	99	-
23	81	1	83	3	86	3	89	2	92	3	95	2
22	77	-	80	-	82	3	85	2	88	2	91	2
21	72	1	75	1	78	-	81	-	84	1	87	-
20	68	1	70	3	74	-	76	2	79	3	82	2
19	63	3	66	-	69	-	71	3	74	2	77	2
18	59	1	61	3	64	-	66	3	69	2	72	3
17	54	3	57	-	59	1	61	2	64	2	67	1
16	50	-	52	1	54	3	57	-	59	1	61	3
15	45	3	48	-	49	3	52	2	54	3	57	-
14	40	3	42	3	44	3	47	1	49	1	52	-
13	36	2	38	1	39	3	41	3	44	1	46	2
12	32	2	34	-	35	3	37	-	39	1	40	3
11	28	2	29	3	31	-	32	2	34	1	36	-
10	24	3	25	3	26	3	28	1	29	2	31	1
9	20	3	22	-	22	3	24	2	25	2	26	3
8	17	1	18	-	19	1	20	2	21	-	22	1
7	13	3	14	-	15	1	16	-	17	-	18	1
6	10	2	10	3	11	2	12	2	13	-	13	3
5	8	1	8	3	9	1	9	1	9	3	10	1
4	6	-	6	1	6	2	6	3	7	1	7	2
3	3	3	4	-	4	1	4	1	4	3	4	3
2	1	3	1	3	2	-	2	-	2	1	2	2
1	-	3	-	3	-	3	-	3	1	-	1	-

The 115 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	35	34	33	32	31	30	29	28	27	26	25	24
35	115	-										
34	114	1	115	-								
33	113	1	114	1	115	-						
32	111	1	113	-	114	1	115	-				
31	109	-	110	3	112	3	114	1	115	-		
30	106	2	108	2	110	3	112	3	114	-	115	-
29	104	-	106	-	108	1	110	2	112	2	114	-
28	101	-	103	2	105	3	108	-	110	-	112	2
27	97	1	100	-	103	-	105	2	107	2	110	-
26	93	3	96	2	99	3	102	-	105	-	107	-
25	89	3	92	2	95	1	98	3	101	2	104	2
24	86	1	88	3	92	-	94	1	97	2	100	3
23	82	-	84	2	87	2	90	1	93	2	96	1
22	77	2	80	2	83	2	86	1	89	1	92	1
21	73	1	76	-	78	3	81	3	85	-	87	3
20	68	3	71	1	74	2	77	-	80	2	83	-
19	64	1	66	3	69	2	72	1	75	1	78	1
18	59	3	62	-	64	2	67	1	70	1	73	1
17	55	1	57	2	60	-	62	1	65	-	68	1
16	50	2	53	-	55	-	57	2	59	3	62	2
15	46	-	48	1	50	-	52	3	55	1	57	2
14	41	-	43	1	45	1	47	3	49	3	52	1
13	36	3	38	2	40	-	42	1	44	2	46	3
12	32	2	34	1	36	-	37	2	39	2	41	1
11	28	3	30	-	31	1	32	3	34	2	36	1
10	25	-	26	-	27	-	28	2	29	3	31	3
9	21	-	22	-	23	-	24	2	25	3	27	-
8	17	2	18	1	19	2	20	3	21	1	22	1
7	14	-	14	1	15	1	16	1	17	1	18	1
6	10	2	11	1	11	3	12	3	13	1	14	-
5	8	2	8	3	9	1	9	1	10	-	10	2
4	6	-	6	1	6	3	6	3	7	1	7	2
3	3	3	4	-	4	1	4	1	4	3	5	-
2	1	3	1	3	2	-	2	-	2	1	2	2
1	-	3	-	3	-	3	-	3	1	-	1	-

The 116 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	35	34	33	32	31	30	29	28	27	26	25	24
35	116											
34	115	1	116	-								
33	114	1	115	1	116	-						
32	112	1	114	-	115	1	116	-				
31	109	3	111	3	113	3	115	-	116	-		
30	107	2	109	1	111	3	113	3	115	-	116	-
29	105	-	107	-	109	1	111	2	113	2	115	-
28	101	3	104	1	106	3	108	3	111	1	115	-
27	98	1	101	1	103	3	106	1	108	-	110	3
26	94	2	97	1	100	2	103	-	106	-	110	2
25	90	3	93	2	96	1	99	2	102	2	105	1
24	87	-	89	2	92	3	95	-	98	1	101	2
23	82	2	85	1	88	1	91	1	94	1	97	1
22	78	1	81	1	84	-	87	-	90	-	93	-
21	73	3	76	2	79	1	82	2	85	3	88	1
20	69	2	72	-	75	2	77	3	81	1	83	3
19	64	3	67	1	70	-	73	-	76	-	79	-
18	60	2	62	3	65	-	67	3	71	-	74	-
17	55	2	58	-	60	2	62	3	65	2	68	2
16	51	-	53	1	55	2	58	-	60	2	63	2
15	46	2	48	3	50	2	53	1	55	2	58	-
14	41	2	43	2	45	3	48	1	50	1	52	3
13	37	1	38	3	40	2	42	2	44	3	47	1
12	33	-	34	3	36	1	37	3	39	3	41	2
11	29	-	30	2	31	3	33	-	34	3	36	2
10	25	-	26	-	27	1	28	3	30	1	32	2
9	21	1	22	1	23	1	24	3	26	-	27	1
8	17	2	18	2	19	2	21	2	22	2	24	-
7	14	-	14	1	15	2	16	2	17	2	18	2
6	10	3	11	2	12	-	12	3	13	1	14	-
5	8	2	9	-	9	1	9	2	10	-	10	2
4	6	1	6	2	6	3	7	-	7	1	7	3
3	3	3	4	-	4	1	4	1	4	3	5	2
2	1	3	1	3	2	-	2	1	2	2	2	3
1	-	3	-	3	-	3	-	3	1	-	1	-

The 117 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	35	34	33	32	31	30	29	28	27	26	25	24
35	117	-										
34	116	1	117	-								
33	115	1	116	1	117	-						
32	113	1	115	-	116	1	117	-				
31	110	3	112	3	114	3	116	1	117	-		
30	108	1	110	1	112	3	114	2	116	-	117	-
29	106	-	108	-	110	-	112	2	114	2	116	-
28	102	2	105	-	107	3	109	3	112	-	114	1
27	99	-	102	-	104	3	107	1	109	1	111	3
26	95	1	98	1	101	2	103	3	107	-	109	-
25	91	2	94	1	97	-	100	2	103	1	106	1
24	87	3	90	1	93	2	96	-	99	1	102	2
23	83	1	86	-	89	-	92	-	95	-	98	-
22	79	-	82	-	85	-	87	3	91	-	94	-
21	74	2	77	1	80	-	83	1	86	2	89	1
20	70	-	72	2	76	-	78	2	82	-	84	2
19	65	2	68	-	70	3	73	3	76	3	79	3
18	60	3	63	1	65	3	68	2	71	2	74	2
17	56	1	58	2	61	-	63	1	66	-	69	1
16	51	1	53	3	56	-	58	2	61	-	63	2
15	47	-	49	-	51	-	53	3	56	-	58	2
14	41	3	43	3	46	-	48	2	50	3	53	1
13	37	2	39	1	40	3	42	3	45	1	47	2
12	33	1	35	-	36	2	38	-	40	-	42	-
11	29	1	30	3	32	-	33	1	35	-	36	3
10	25	1	26	1	27	2	29	-	30	2	32	1
9	21	2	22	2	23	2	25	-	26	-	27	1
8	17	3	18	2	19	3	21	-	21	3	22	3
7	14	1	14	2	15	2	16	2	17	2	18	2
6	10	3	11	2	12	-	13	-	13	2	14	1
5	8	2	9	-	9	1	9	2	10	-	10	2
4	6	1	6	2	7	-	7	-	7	1	7	3
3	3	3	4	-	4	1	4	1	4	3	5	-
2	1	3	1	3	2	-	2	1	2	1	2	2
1	-	3	-	3	-	3	-	3	1	-	1	-

The 118 Gallon Cask, whose Bung Diameter dips in Inches, viz.

The 119 Gallon Cask, whose Bung Diameter dips in Inches, viz.

35	34	33	32	31	30	29	28	27	26	25	24
35	119 -										
34	118 1	119 -									
33	117 1	118 1	119 -								
32	115 1	117 -	118 1	119 -							
31	112 2	114 2	116 3	118 1	119 -						
30	110 1	112 -	114 2	116 2	118 -	119 -					
29	107 3	110 -	112 -	114 1	116 2	118 -	119 -				
28	104 1	107 -	109 2	111 2	114 -	116 1	118 -	119 -			
27	100 2	103 2	106 2	109 -	111 1	113 3	116 1	118 -	119 -		
26	97 -	99 3	103 -	105 2	108 3	111 -	113 2	116 -	118 -	119 -	
25	93 1	95 3	98 3	102 1	105 -	108 1	110 3	113 2	115 3	118 -	119 -
24	89 1	92 -	95 1	97 2	101 -	104 1	107 3	110 2	113 -	115 3	118 -
23	84 3	87 2	90 2	93 3	96 3	99 3	103 2	107 -	110 -	112 3	115 2
22	80 1	83 1	86 2	89 1	92 2	95 3	99 -	103 -	106 1	109 2	112 2
21	75 3	78 2	81 2	84 2	88 -	91 -	94 1	97 3	101 3	105 2	109 -
20	71 1	74 -	77 2	79 3	83 1	86 -	89 1	93 1	96 2	100 2	104 1
19	66 2	69 -	72 -	75 -	77 3	81 -	84 1	88 -	91 2	95 1	99 -
18	62 -	64 1	66 3	69 3	72 3	75 3	79 1	83 -	86 2	90 1	94 -
17	57 -	59 2	62 -	64 2	67 1	70 2	73 3	77 1	80 3	84 2	88 -
16	52 1	54 3	57 -	59 2	62 -	64 3	67 3	71 2	74 3	78 2	82 1
15	47 3	50 -	51 3	54 2	57 -	59 2	62 1	65 1	68 2	72 1	75 3
14	42 3	44 2	47 -	49 1	51 2	54 -	56 3	59 2	62 2	65 3	69 -
13	38 1	39 3	41 2	43 3	46 -	48 2	51 1	53 3	56 2	59 2	62 3
12	33 3	35 2	37 -	38 3	41 -	42 3	45 1	47 2	50 2	53 1	56 1
11	29 3	31 1	32 2	33 3	35 3	37 2	39 2	41 3	44 -	46 3	50 -
10	25 3	26 3	28 -	29 2	31 -	32 3	34 1	36 -	38 -	40 2	43 1
9	21 3	23 -	23 3	25 1	26 2	27 3	29 1	30 3	32 2	34 2	36 3
8	18 -	19 -	20 -	21 2	22 -	23 1	24 2	25 3	27 1	28 3	30 3
7	14 2	14 3	15 3	16 3	17 3	18 3	19 3	21 -	22 1	23 3	24 3
6	11 -	11 3	12 1	13 -	13 3	14 2	15 -	16 -	17 1	18 2	19 3
5	8 1	9 -	9 2	9 3	10 1	10 3	11 1	11 3	12 3	13 2	14 1
4	6 2	6 2	7 -	7 -	7 2	8 -	8 1	8 2	9 -	9 2	10 -
3	3 3	4 -	4 2	4 2	4 3	5 -	5 1	5 2	5 3	6 1	6 2
2	1 3	2 -	2 -	2 1	2 1	2 2	2 2	2 3	3 -	3 1	3 2
1	- 3	- 3	- 3	- 3	- 3	1 -	1 -	1 -	1 -	1 -	1 -

The 120 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	36	35	34	33	32	31	30	29	28	27	26	25
36	120	-										
35	119	1	120	-								
34	118	1	119	1	120	-						
33	116	1	118	1	119	1	120	-				
32	114	-	116	1	118	-	119	1	120	-		
31	111	1	113	2	115	2	117	3	119	-	120	-
30	109	-	111	-	113	-	115	2	117	2	119	-
29	105	3	108	2	110	3	113	-	115	1	117	-
28	102	2	105	1	108	-	110	2	112	2	115	-
27	98	3	101	2	104	2	107	1	110	-	112	1
26	95	-	97	3	100	2	104	-	106	1	109	2
25	91	-	93	3	96	2	99	2	103	-	105	3
24	87	-	90	-	92	3	95	3	98	2	102	-
23	82	2	85	2	88	1	91	1	94	2	97	-
22	78	2	81	-	84	-	87	-	90	-	93	3
21	73	2	76	1	79	1	82	1	85	1	88	2
20	69	-	71	3	74	2	78	-	80	2	84	-
19	64	3	67	-	69	3	72	2	75	2	78	2
18	60	-	62	2	65	-	67	1	70	1	73	1
17	55	-	57	2	60	-	62	2	65	1	68	2
16	50	3	52	2	55	-	57	2	60	-	62	3
15	46	-	48	-	50	1	52	1	55	-	57	1
14	41	1	43	-	45	-	47	2	49	3	52	-
13	37	1	38	2	40	1	41	3	44	1	46	2
12	32	3	34	-	35	3	37	-	39	-	41	1
11	28	2	30	-	31	2	32	3	34	1	36	-
10	25	-	26	-	27	-	28	1	29	3	31	1
9	21	-	22	-	23	-	24	-	25	2	26	-
8	17	2	18	1	19	-	20	1	21	2	22	1
7	13	3	14	2	14	3	16	-	17	3	19	-
6	10	3	11	-	12	-	12	2	13	1	13	3
5	8	2	8	3	9	1	9	2	9	3	10	2
4	6	-	6	2	6	3	7	-	7	1	7	2
3	3	3	3	4	1	4	2	4	2	4	3	5
2	1	3	2	-	2	-	2	1	2	1	2	2
1	-	3	-	3	-	3	1	-	1	-	1	-

The 121 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	36	35	34	33	32	31	30	29	28	27	26	25
36	121	-										
35	120	1	121	-								
34	119	-	120	1	121	-						
33	117	1	119	-	120	1	121	-				
32	115	-	117	2	119	-	120	-	121	-		
31	112	1	114	2	116	2	118	2	120	-	121	-
30	109	3	112	-	114	-	116	1	118	2	120	-
29	106	2	109	2	111	3	114	-	116	1	118	-
28	103	1	106	-	109	-	111	1	113	2	116	-
27	99	2	102	1	105	-	108	1	110	3	113	-
26	95	3	98	2	101	2	104	3	107	1	110	2
25	91	3	94	2	97	1	100	2	104	-	106	3
24	87	2	90	3	93	2	96	3	99	1	102	3
23	83	1	86	1	89	-	92	-	95	1	98	1
22	79	1	81	2	84	3	87	3	90	3	94	3
21	74	1	77	1	80	-	83	-	85	3	89	2
20	69	2	72	2	75	-	78	2	81	1	84	3
19	65	1	67	2	70	1	73	-	76	1	79	1
18	60	2	63	-	65	2	68	2	71	2	75	-
17	55	2	58	-	60	2	63	-	65	3	69	-
16	51	-	53	-	55	2	58	-	60	2	63	1
15	46	1	48	2	50	3	52	2	55	2	58	-
14	41	2	43	1	45	1	47	3	50	-	52	1
13	37	2	38	3	40	3	42	1	44	2	46	3
12	33	-	34	2	36	-	37	3	39	1	41	2
11	28	3	30	1	31	3	33	-	34	2	36	1
10	25	-	26	1	27	1	28	2	30	-	31	2
9	21	1	22	-	23	1	24	1	25	3	27	-
8	17	2	18	1	19	1	20	2	21	3	22	2
7	14	-	14	3	15	-	16	1	17	-	18	3
6	11	-	11	1	12	-	12	2	13	2	14	-
5	8	2	8	3	9	1	9	3	9	3	10	2
4	6	-	6	2	6	3	7	-	7	1	7	2
3	3	3	3	3	4	1	4	3	4	2	5	1
2	1	3	1	3	2	-	2	1	2	1	2	2
1	-	3	-	3	-	3	1	-	1	-	1	-

The 122 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	36	35	34	33	32	31	30	29	28	27	26	25
36	122 -											
35	121 1 122 -											
34	120 - 121 1 122 -											
33	118 1 120 1 121 1 122 -											
32	115 3 118 - 120 - 121 1 122 -											
31	113 1 115 1 117 2 119 2 121 - 122 -											
30	110 3 113 - 115 - 117 1 119 2 121 - 122 -											
29	107 2 110 1 112 3 115 - 117 1 119 1 121 - 122 -											
28	104 1 107 - 109 3 112 1 114 1 117 - 119 1 121 - 122 -											
27	100 1 103 1 106 - 109 - 111 3 114 - 116 2 119 - 121 - 122 -											
26	96 2 99 1 102 1 105 2 108 1 111 1 113 3 116 2 119 - 121 - 122 -											
25	92 3 95 2 98 - 101 1 104 3 107 1 111 - 113 2 116 1 118 3 121 - 122 -											
24	88 1 91 2 94 1 97 2 100 - 103 2 107 - 110 1 113 1 116 - 118 2 121 -											
23	84 - 87 - 89 2 93 - 96 - 99 1 102 1 106 1 109 3 112 3 115 2 118 1											
22	80 - 82 1 85 2 88 1 91 2 95 - 98 - 101 2 105 2 109 - 112 2 115 1											
21	74 3 77 3 80 3 83 3 86 2 90 1 93 1 96 3 100 1 104 1 108 1 111 3											
20	70 1 73 - 75 3 79 1 81 3 85 1 88 - 91 2 95 2 99 - 103 - 106 3											
19	65 3 68 - 71 - 73 3 76 3 79 3 83 - 86 2 90 1 94 - 97 3 101 2											
18	61 - 63 2 66 - 68 2 71 2 74 2 77 3 81 1 85 - 88 2 92 2 96 2											
17	56 - 58 2 61 - 63 2 66 - 69 - 72 - 75 2 79 - 82 3 86 2 90 1											
16	51 2 53 2 56 - 58 2 61 - 63 2 66 1 69 2 73 - 76 2 80 2 84 1											
15	46 3 48 3 51 - 53 - 56 - 58 2 61 - 63 3 67 - 70 1 74 - 77 2											
14	42 - 43 3 45 3 48 - 50 2 52 3 55 2 58 1 61 - 64 - 67 2 71 -											
13	37 3 39 - 40 3 42 2 44 3 47 1 49 3 52 2 55 - 58 - 61 - 64 1											
12	33 1 34 2 36 2 38 - 39 3 42 - 43 3 46 2 49 - 51 3 54 2 57 3											
11	29 - 30 2 31 3 33 1 34 3 36 3 38 2 40 2 43 - 45 1 48 - 51 -											
10	25 1 26 1 27 2 28 2 30 1 31 3 33 2 35 1 37 - 39 - 41 2 44 2											
9	21 2 22 1 23 2 24 2 26 - 27 - 28 2 30 - 31 2 33 1 35 2 37 2											
8	17 2 18 2 19 2 20 3 22 - 22 2 23 3 25 1 26 2 27 3 29 2 31 2											
7	14 - 14 3 15 - 16 1 17 1 18 1 19 - 20 1 21 2 22 3 24 1 25 2											
6	11 - 11 1 12 1 12 3 13 2 14 1 14 3 15 2 16 2 17 2 19 - 20 -											
5	8 2 8 3 9 1 9 3 10 - 10 3 10 3 11 2 12 1 13 - 13 3 14 3											
4	6 1 6 3 6 3 7 - 7 1 7 2 8 - 8 1 8 3 9 1 9 2 10 1											
3	3 3 4 - 4 1 4 3 4 2 5 - 5 1 5 2 5 3 6 - 6 2 6 3											
2	1 3 1 3 2 - 2 1 2 1 2 1 2 2 2 3 2 3 3 1 3 1 3 2											
1	- 3 - 3 - 3 - 3 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -											

The 123 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	30	35	34	33	32	31	30	29	28	27	26	25
36	123	-										
35	122	1	123	-								
34	121	-	122	1	123	-						
33	119	1	121	-	122	1	123	-				
32	116	3	119	-	121	-	122	1	123	-		
31	114	1	116	1	118	2	120	2	122	-	123	-
30	111	3	113	3	116	-	118	1	120	2	122	-
29	108	1	111	1	113	2	116	-	118	1	120	1
28	105	-	107	3	110	3	113	-	115	1	117	3
27	101	1	104	-	107	-	110	-	112	2	115	-
26	97	1	100	-	103	-	106	2	109	-	112	1
25	93	1	96	1	98	3	102	-	105	3	108	1
24	89	-	92	1	95	-	98	1	101	-	104	1
23	84	3	87	2	90	1	93	3	96	3	100	-
22	80	2	83	-	86	-	89	-	92	1	95	3
21	75	2	78	1	81	1	84	1	87	1	91	-
20	70	3	73	2	76	1	80	-	82	2	86	-
19	66	1	68	3	71	2	74	1	77	1	80	2
18	61	2	64	-	66	2	69	-	72	-	75	1
17	56	1	59	-	61	2	64	-	66	2	69	2
16	52	-	54	-	56	2	59	-	61	2	64	-
15	47	-	49	1	51	2	53	2	56	-	58	3
14	42	1	44	-	46	1	48	1	51	-	53	1
13	38	-	39	2	41	1	42	3	45	1	47	2
12	33	2	34	3	36	3	38	1	40	-	42	1
11	29	1	30	3	32	1	33	2	35	-	37	-
10	25	2	26	2	27	3	28	3	30	2	32	-
9	21	2	22	2	23	2	24	2	26	1	27	1
8	17	3	18	3	19	2	20	3	22	-	22	3
7	14	-	15	-	15	-	16	2	17	1	18	2
6	11	-	11	2	12	1	12	3	13	3	14	2
5	8	2	9	-	9	2	10	-	10	3	11	-
4	6	1	6	3	6	3	7	-	7	2	7	3
3	3	3	4	-	4	1	4	3	4	3	5	1
2	1	3	1	3	2	-	2	1	2	2	2	3
1	-	3	-	3	-	3	-	1	-	1	-	1

The 124 Gallon Cask, whose Bung Diameter dips in Inches, viz:

	36	35	34	33	32	31	30	29	28	27	26	25
36	124	-										
35	123	1	124	-								
34	122	-	123	1	124	-						
33	120	-	122	1	123	1	124	-				
32	117	3	120	-	122	-	123	1	124	-		
31	115	1	117	1	119	2	121	2	123	-	124	-
30	112	3	114	3	116	3	119	1	121	2	123	-
29	109	1	112	1	114	2	116	3	119	-	121	1
28	105	3	108	3	111	2	114	-	116	-	118	3
27	102	-	104	3	107	3	110	3	113	2	116	-
26	98	1	101	-	103	3	107	1	109	3	113	1
25	94	-	97	-	99	2	103	-	106	2	109	1
24	89	3	93	-	95	3	99	-	101	3	105	1
23	85	1	88	1	91	-	94	2	97	2	101	-
22	81	1	83	3	86	3	90	-	93	-	96	2
21	76	1	79	-	82	-	85	-	88	-	91	3
20	71	1	74	1	77	-	80	2	83	1	86	3
19	66	3	69	1	72	-	75	-	78	-	81	1
18	62	-	64	2	67	-	69	2	72	2	75	3
17	56	3	59	2	62	-	64	2	67	1	70	1
16	52	1	54	2	57	-	59	2	62	-	64	2
15	47	2	49	2	52	-	54	-	57	-	59	2
14	42	2	44	1	46	2	48	3	51	2	53	2
13	38	1	39	3	41	2	43	1	45	3	48	-
12	34	-	35	-	37	-	38	2	40	1	42	2
11	29	2	31	-	32	2	33	3	35	2	37	1
10	25	2	26	3	28	-	29	-	30	3	32	1
9	21	3	22	2	23	3	24	3	26	2	27	2
8	18	-	19	-	19	3	21	-	22	1	22	3
7	14	1	15	-	15	1	16	2	17	2	18	2
6	11	1	11	2	12	1	13	-	13	3	14	2
5	8	2	9	-	9	2	10	-	10	1	10	3
4	6	1	6	3	6	3	7	1	7	2	7	3
3	3	3	4	-	4	1	4	3	4	3	5	1
2	1	3	1	3	2	-	2	1	2	2	3	1
1	-	3	-	3	-	3	1	-	1	-	1	-

The 125 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	36	35	34	33	32	31	30	29	28	27	26	25
36	125	-										
35	124	1	125	-								
34	123	-	124	1	125	-						
33	121	-	123	1	124	1	125	-				
32	118	2	121	-	123	-	124	1	125	-		
31	116	-	118	1	120	2	122	2	124	-	125	-
30	113	3	115	2	117	3	120	1	122	2	124	-
29	110	-	113	-	115	2	117	3	120	-	122	1
28	106	2	109	2	112	2	115	-	117	-	119	3
27	102	3	105	2	108	3	111	3	114	1	116	3
26	99	-	101	2	104	2	108	-	110	3	114	1
25	94	3	97	3	100	2	103	2	107	1	110	-
24	90	2	93	3	96	2	99	3	102	2	106	-
23	86	-	89	-	91	3	95	1	98	1	101	3
22	81	3	84	2	87	2	91	-	93	3	97	1
21	76	3	79	2	82	2	85	3	88	3	92	2
20	72	-	74	3	77	2	81	1	83	3	87	1
19	67	1	69	3	72	2	75	1	78	2	81	3
18	62	2	65	-	67	2	70	-	73	-	76	2
17	57	1	60	-	62	2	65	-	67	2	70	3
16	52	3	54	3	57	2	60	-	62	2	65	1
15	47	3	50	-	52	2	54	2	57	2	60	-
14	42	3	44	3	46	3	49	1	52	-	54	-
13	38	2	40	-	41	3	43	2	46	1	48	1
12	34	1	35	2	37	1	39	-	40	3	43	-
11	29	3	31	1	32	3	34	-	35	3	37	2
10	25	3	27	-	28	1	29	1	31	-	32	2
9	22	-	22	3	24	-	25	-	26	3	27	-
8	18	-	19	-	20	-	21	1	22	2	23	-
7	14	2	15	1	15	1	16	3	17	3	18	3
6	11	1	11	2	12	2	13	-	14	-	14	3
5	8	3	9	1	9	2	10	-	10	1	10	3
4	6	1	6	3	6	3	7	1	7	2	7	3
3	3	3	4	-	4	1	4	3	4	3	5	1
2	1	3	1	3	2	-	2	1	2	2	3	-
1	-	3	-	3	-	3	1	-	1	-	1	-

The 126 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	36	35	34	33	32	31	30	29	28	27	26	25
36	126	-										
35	125	1	126	-								
34	124	-	125	1	126	-						
33	122	-	124	1	125	1	126	-				
32	119	2	122	-	124	-	125	1	126	-		
31	117	-	119	-	121	1	123	2	125	-	126	-
30	114	2	116	2	118	3	121	1	123	1	125	-
29	111	-	114	-	116	2	118	3	121	-	123	1
28	107	1	110	1	113	1	116	-	118	-	120	3
27	103	2	106	2	109	2	112	2	115	1	117	3
26	99	-3	102	1	105	2	109	-	111	3	115	-
25	95	-2	98	2	101	2	104	1	108	1	111	-
24	91	1	94	2	97	1	100	2	103	1	106	3
23	86	3	89	3	92	2	96	-	99	-	102	2
22	82	2	85	-	88	-	91	2	94	2	98	-
21	77	1	80	1	83	1	86	1	89	1	93	1
20	72	2	75	1	78	-	82	-	84	2	88	-
19	67	-3	70	2	73	-	76	-	79	1	82	2
18	63	-	65	2	68	-	70	2	73	3	77	-
17	57	3	60	2	63	-	65	2	68	1	71	1
16	53	1	55	1	58	-	60	2	63	-	65	3
15	48	-	50	2	53	-	55	-	58	-	60	1
14	43	-1	45	1	47	1	49	2	52	1	54	2
13	38	-3	40	2	42	1	43	3	46	2	48	3
12	34	-2	35	3	37	2	39	1	41	-	43	1
11	30	-	31	2	33	-	34	2	36	-	38	-
10	26	-	27	1	28	2	29	2	31	1	33	-
9	22	-	23	-	24	1	25	1	27	-	29	1
8	18	-	19	1	20	-	21	2	22	3	23	1
7	14	-2	15	1	15	-2	16	3	17	3	18	1
6	11	-2	11	3	12	2	13	1	14	-	15	1
5	8	3	9	1	9	2	10	-	10	1	11	-
4	6	1	6	3	7	-	7	1	7	2	8	1
3	3	-3	4	-	4	1	4	3	4	3	5	-
2	1	3	1	3	2	-	2	1	2	2	3	2
1	-	3	-	3	-	3	1	-	1	-	1	-

The 127 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	36	35	34	33	32	31	30	29	28	27	26	25	
36	127	-											
35	126	1	127	-									
34	125	-	126	1	127	-							
33	123	-	125	-	126	1	127	-					
32	120	2	123	-	125	-	126	1	127	-			
31	118	-	120	-	122	1	124	2	126	-	127	-	
30	115	2	117	2	119	3	122	1	124	1	126	-	
29	112	-	115	-	117	1	119	3	122	-	124	1	
28	108	1	111	1	114	1	117	-	121	3	124	-	
27	104	1	107	1	110	2	113	2	116	1	118	3	
26	102	-	103	1	106	2	110	-	112	2	116	-	
25	96	1	99	1	102	-	105	-	109	-	112	-	
24	92	-	95	1	98	-	101	2	104	1	107	2	
23	87	2	90	2	93	2	96	2	99	3	102	1	
22	83	-	85	3	89	-	92	1	95	1	98	3	
21	78	-	81	-	84	-	87	-	90	-	94	-	
20	73	-	75	3	78	3	82	2	85	1	88	3	
19	68	1	71	-	73	3	76	2	79	3	83	1	
18	63	2	66	-	68	3	71	1	74	2	77	2	
17	58	1	61	-	63	2	66	-	68	2	71	3	
16	53	2	55	2	58	1	61	-	63	2	66	-	
15	48	2	50	3	53	1	55	1	58	2	61	-	
14	43	2	45	2	47	3	50	-	52	2	55	-	
13	39	40	3	42	2	44	1	46	3	49	1	52	-
12	34	3	36	-	38	-	39	3	41	1	43	2	
11	30	1	31	3	33	1	34	3	36	1	38	1	
10	26	1	27	2	28	2	29	3	31	2	33	-	
9	22	1	23	1	24	2	25	-	27	1	28	1	
8	18	1	19	1	20	1	21	2	22	3	23	2	
7	14	2	15	2	15	2	17	-	18	-	19	-	
6	11	2	11	3	12	3	13	1	14	1	14	3	
5	9	-	9	1	9	3	10	-	10	1	11	-	
4	6	1	6	3	7	-	7	1	7	2	8	-	
3	3	3	4	-	4	2	4	3	4	3	5	-	
2	1	3	1	3	2	-	2	1	2	2	2	-	
1	-	3	-	3	-	3	-	1	-	1	-	1	

The 128 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	36	35	34	33	32	31	30	29	28	27	26	25
36	128	-										
35	127	1	128	-								
34	125	3	127	1	128	-						
33	124	-	126	-	127	1	128	-				
32	121	2	124	-	126	-	127	1	128	-		
31	118	3	121	-	123	1	125	2	127	-	128	-
30	116	1	118	1	120	2	123	1	125	1	127	-
29	112	3	115	3	118	1	120	2	123	-	125	1
28	109	-	112	1	115	1	117	3	120	-	122	3
27	105	-	108	1	111	1	114	1	117	1	119	2
26	101	1	104	-	107	1	110	3	113	2	117	-
25	97	-	100	-	103	-	106	-	110	-	112	3
24	92	3	96	-	98	3	102	1	105	-	108	2
23	88	-	91	1	94	-	97	1	100	3	104	-
22	83	3	86	2	89	2	93	-	96	1	99	2
21	78	2	81	2	84	2	87	3	90	3	94	3
20	73	3	76	2	79	1	83	1	85	3	89	2
19	68	3	71	2	74	1	77	-	80	2	83	3
18	64	-	66	2	69	1	71	3	75	-	78	1
17	58	2	61	2	64	-	66	3	69	2	72	1
16	54	-	56	1	58	3	61	1	64	-	66	2
15	49	-	51	1	53	3	55	3	59	3	61	2
14	43	3	45	3	48	-	50	2	53	-	55	2
13	39	2	41	-	43	-	44	2	47	1	49	3
12	35	-	36	1	38	1	40	-	41	3	44	-
11	30	2	32	-	33	2	35	-	36	2	38	2
10	26	2	27	3	28	3	30	-	31	3	33	1
9	22	2	23	2	24	2	25	2	27	1	28	2
8	18	2	19	2	20	1	21	3	23	1	25	-
7	14	3	15	2	15	3	17	-	18	-	19	1
6	11	2	11	3	12	3	13	2	14	-	15	-
5	9	-	9	2	9	3	10	1	10	2	11	-
4	6	1	6	3	7	-	7	2	7	2	8	-
3	3	3	4	1	4	2	4	3	5	-	5	1
2	1	3	1	3	2	-	2	1	2	2	2	3
1	-	3	-	3	-	3	-	3	1	-	1	-

The 129 Galion Cask, whose Bung Diameter dips in Inches, viz.

	36	35	34	33	32	31	30	29	28	27	26	25
36	129	-										
35	128	1	129	-								
34	126	3	128	1	129	-						
33	124	3	127	-	128	1	129	-				
32	122	2	124	3	127	-	128	1	129	-		
31	119	3	122	-	124	1	126	2	128	-	129	-
30	117	1	119	1	121	2	124	1	126	1	128	-
29	113	3	116	3	119	1	121	2	124	-	126	1
28	110	-	113	-	116	1	118	3	120	3	123	3
27	105	3	109	-	112	-	115	1	118	-	120	2
26	102	-	104	3	108	-	111	3	114	1	117	3
25	97	3	100	3	103	3	107	-	110	3	113	3
24	93	2	96	3	99	2	103	-	106	-	109	1
23	88	3	92	-	94	2	98	-	101	2	105	-
22	84	1	87	1	90	1	93	2	97	-	100	1
21	79	1	82	1	85	1	88	1	91	2	95	2
20	74	1	77	1	80	-	84	-	86	2	90	1
19	69	1	72	-	75	-	77	3	81	1	84	1
18	64	2	67	1	70	-	72	1	75	2	78	3
17	59	-	61	3	64	2	67	-	69	3	73	-
16	54	2	56	2	59	-	62	-	64	2	67	2
15	49	1	51	2	54	-	56	1	59	1	62	-
14	44	1	46	1	48	2	50	3	53	1	55	3
13	40	-	41	1	43	1	45	-	47	2	50	-
12	35	1	36	2	38	2	40	1	42	-	44	2
11	30	3	32	1	33	3	35	1	36	3	38	3
10	26	2	28	-	29	-	30	1	32	-	33	2
9	22	3	23	2	24	3	25	3	27	2	28	2
8	18	2	19	2	20	2	21	3	23	-	23	3
7	14	3	15	2	16	-	17	1	18	1	19	1
6	11	2	12	-	12	3	13	2	14	1	15	-
5	9	-	9	2	9	3	10	1	10	2	11	1
4	6	2	6	3	7	-	7	2	7	2	8	-
3	4	-	4	1	4	2	4	3	5	-	5	1
2	2	-	2	-	2	1	2	2	2	2	2	3
1	-	3	-	3	-	3	1	-	1	-	1	-

The 131 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	37	36	35	34	33	32	31	30	29	28	27	26
37	131	-										
36	130	1	131	-								
35	129	-	130	1	131	-						
34	127	-	129	-	130	1	131	-				
33	124	2	126	3	129	-	130	1	131	-		
32	122	1	124	1	126	3	128	3	130	-	131	-
31	119	-	121	2	124	-	126	1	128	1	130	-
30	116	-	119	-	121	-	123	1	126	1	130	-
29	112	2	115	1	118	2	121	-	123	1	126	-
28	108	2	111	2	115	-	118	-	120	2	122	3
27	104	3	107	2	110	2	114	-	117	-	120	-
26	101	-	101	2	106	1	109	2	113	1	116	1
25	96	-	99	1	102	1	105	1	108	2	112	2
24	92	1	95	-	98	-	101	-	104	1	107	2
23	87	-	90	-	93	1	96	-	99	3	103	0
22	82	3	85	3	88	2	91	3	95	-	98	2
21	77	3	80	1	83	2	86	2	89	3	93	-
20	73	-	75	-	78	1	81	1	85	-	87	3
19	68	-	70	2	73	1	76	-	79	-	82	2
18	63	-	65	2	68	1	71	-	73	2	76	3
17	58	-	59	-	62	3	65	2	68	-	70	3
16	53	1	55	1	57	2	60	-	63	-	65	2
15	48	-	50	-	52	1	55	-	57	-	60	1
14	43	1	44	3	47	-	49	-	51	2	54	1
13	38	3	40	2	42	-	43	3	46	-	48	1
12	34	1	35	3	37	1	39	1	41	-	42	3
11	30	-	31	1	32	3	34	1	35	3	37	3
10	26	-	27	-	28	1	29	2	30	3	32	2
9	22	-	23	-	24	-	25	1	26	1	28	-
8	18	-	19	-	20	-	20	3	22	1	25	2
7	14	2	15	-	16	1	17	2	18	2	19	2
6	11	1	11	3	12	1	13	-	13	3	14	1
5	8	3	9	1	9	3	10	-	10	2	11	2
4	6	1	6	2	7	-	7	1	7	3	8	1
3	3	3	4	-	4	1	4	2	4	3	5	-
2	2	-	2	-	2	-	2	1	2	2	2	2
1	-	3	-	3	-	3	1	-	1	-	1	-

The 132 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	37	36	35	34	33	32	31	30	29	28	27	26
37	132											
36	131	132										
35	130	131	132									
34	127	3	130	131	132							
33	125	2	127	3	130	131	132					
32	123		125	1	127	3	129	3	131	132		
31	120		122	2	124	3	127	1	129	1	131	132
30	117		119	3	122		124	1	126	3	129	1
29	113	2	116	1	119	2	122		124	1	126	3
28	109	1	112	1	115	3	118	3	121	2	123	3
27	105	2	108	1	111	2	115		118		120	3
26	101	3	104	1	107	1	110	2	114	1	117	
25	96	3	100		103		106		109	1	113	1
24	93		95	3	98	3	101	3	105		108	1
23	88		90	3	94		96	3	100	2	104	
22	83	1	86	1	89		92	2	95	3	99	
21	78	1	81		84	1	87	1	90	2	93	3
20	73	2	75	3	79		82		85	2	88	2
19	68	2	71		73	3	76	2	79	3	83	
18	63	2	66		68	3	71	1	74		77	1
17	58	2	60	2	63	1	66		68	3	71	3
16	53	3	55	3	57	3	60	3	63	1	66	
15	48	1	50	1	52	3	55	2	57	2	60	3
14	43	2	45	1	47	1	49	2	51	3	54	
13	39		40	3	42	1	44	1	46	1	48	3
12	34	2	36		37	2	39	2	41	1	43	
11	30	1	31	2	33		34	2	36		37	2
10	26		27	1	28	2	29	3	31		32	
9	22		23	1	24		25	1	26		27	
8	18		19		20		21		22		23	
7	14	2	15		16		16	1	17		18	
6	11	1	12	2	12	1	13		14		15	
5	8	3	9	1	9	3	10		10		11	
4	6	1	6	3	7		7	1	7		8	
3	3	3	4		4	1	4	2	5		5	
2	2		2		2	2	2	2	2		2	
1	1		3		3		3		3		3	

The 133 Gallon Cask, whose Bung Diameter dips in Inches, v. z.

The 134 Gallon Cask, whose Bung Diameter dips in Inches, viz.

The 135 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	37	36	35	34	33	32	31	30	29	28	27	26
37	135	-										
36	134	1	135	-								
35	133	-	134	1	135	-						
34	130	3	133	-	134	1	135	-				
33	128	1	130	3	133	-	134	-	135	-		
32	125	3	128	-	130	2	132	3	134	-	135	-
31	123	-	125	1	127	3	130	1	132	2	134	-
30	119	2	122	2	125	-	127	-	130	-	132	-
29	116	-	119	-	122	1	124	3	127	-	129	3
28	111	3	115	-	118	1	121	2	124	1	126	2
27	108	-	110	3	114	-	117	2	120	2	123	2
26	104	-	106	3	109	3	113	-	116	3	119	3
25	99	-	102	1	105	1	108	2	112	-	115	3
24	95	-	97	3	101	-	104	-	107	3	110	3
23	90	-	93	-	96	-	99	-	102	3	106	1
22	85	-	88	1	91	-	94	2	97	3	101	2
21	80	-	82	3	86	1	89	1	93	-	96	-
20	75	1	77	2	80	3	83	3	87	2	90	2
19	70	-	72	1	75	1	78	2	81	2	84	3
18	64	3	67	2	70	-	73	-	75	2	79	-
17	59	3	61	3	64	3	67	2	70	1	73	1
16	54	3	57	-	59	-	62	-	64	3	67	2
15	49	2	51	2	54	-	56	2	58	3	62	-
14	44	2	46	1	48	1	50	3	53	-	56	-
13	39	3	41	3	43	1	45	1	47	1	49	3
12	35	1	37	-	38	1	40	2	42	-	44	-
11	31	-	32	1	33	3	35	1	36	3	38	1
10	26	3	28	-	29	1	30	2	31	3	33	2
9	22	2	23	3	24	3	25	3	27	-	28	3
8	18	2	19	2	20	2	21	2	22	3	24	1
7	14	3	15	2	16	2	16	3	18	-	19	1
6	11	2	12	1	12	2	13	2	14	1	14	3
5	9	-	9	2	10	-	10	1	10	3	11	1
4	6	2	6	3	7	-	7	2	8	-	8	2
3	3	3	4	-	4	2	4	2	5	-	5	2
2	2	-	2	-	2	-	2	1	2	1	2	3
1	-	3	-	3	-	3	1	-	1	-	1	-

The 136 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	37	36	35	34	33	32	31	30	29	28	27	26
37	136	-										
36	135	1	136	-								
35	134	-	135	1	136	-						
34	131	3	134	-	135	1	136	-				
33	129	1	131	3	134	-	135	-	136	-		
32	126	3	129	-	131	2	133	3	135	-		
31	124	-	126	1	128	3	131	-	133	1	135	-
30	120	2	123	2	125	3	128	-	130	3	133	-
29	117	-	120	-	123	-	125	3	128	-	130	3
28	112	3	116	-	119	-	122	2	125	-	127	2
27	108	3	111	2	115	-	118	2	121	2	124	2
26	104	3	107	2	110	2	114	-	117	3	120	3
25	100	-	103	-	106	-	109	1	112	3	116	3
24	95	3	98	2	101	3	104	3	108	1	111	2
23	90	3	93	3	96	3	100	-	103	2	107	-
22	85	3	89	-	91	3	95	2	98	2	102	1
21	80	3	83	2	87	-	90	-	93	2	96	3
20	75	3	78	-	81	2	84	2	88	-	91	1
19	70	2	73	-	76	-	79	-	82	-	85	2
18	65	-	68	-	70	3	73	2	76	3	83	1
17	60	1	62	1	65	1	68	-	70	3	73	2
16	55	1	57	1	59	2	62	2	65	1	68	-
15	49	3	52	-	54	2	57	-	59	-	62	2
14	44	3	46	3	48	3	51	-	53	2	56	1
13	40	1	42	-	43	2	45	2	47	3	50	-
12	35	2	37	1	38	2	40	3	42	2	44	1
11	31	1	32	2	34	-	35	2	37	-	38	2
10	27	-	28	-	29	2	30	2	32	-	33	3
9	22	3	24	-	24	3	26	-	27	1	29	-
8	18	3	19	2	20	3	21	2	23	-	24	2
7	15	-	15	2	16	2	16	3	18	-	19	1
6	11	3	12	1	12	2	13	2	14	1	15	-
5	9	-	9	2	10	-	10	1	11	-	11	1
4	6	2	6	3	7	-	7	2	8	-	8	2
3	4	-	4	-	4	2	4	3	5	-	5	2
2	2	-	2	-	2	1	2	2	2	3	2	3
1	-	3	-	3	-	3	1	-	1	-	1	-

The 137 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	37	36	35	34	33	32	31	30	29	28	27	26
37	137	-										
36	136	1	137	-								
35	135	-	136	1	137	-						
34	132	3	135	-	136	1	137	-				
33	130	-	132	3	135	-	136	-	137	-		
32	127	3	130	-	132	2	134	3	136	-	137	-
31	124	3	127	-	129	3	132	-	134	1	136	-
30	121	1	124	2	126	3	129	-	132	-	134	-
29	117	3	120	3	124	-	126	2	129	-	131	3
28	113	2	116	3	120	-	123	1	126	-	128	2
27	109	2	112	2	115	3	119	-	122	2	125	2
26	105	2	108	1	111	2	114	3	118	2	121	2
25	100	2	103	3	107	-	110	-	113	2	117	2
24	96	1	99	1	102	3	105	2	109	-	112	2
23	91	1	94	2	97	2	100	2	104	-	107	3
22	86	2	89	2	93	-	96	-	99	1	103	-
21	81	1	84	-	87	2	90	2	94	-	97	2
20	76	1	78	3	82	-	85	-	88	2	92	-
19	71	-	73	2	76	2	79	2	82	3	86	1
18	65	2	68	2	71	1	74	-	76	2	80	1
17	60	2	62	3	65	3	68	2	71	1	77	2
16	55	3	57	3	59	-	63	3	65	2	74	2
15	50	-	52	1	55	-	57	2	59	2	62	3
14	45	-	47	-	49	-	51	2	53	3	56	3
13	40	2	42	1	43	3	46	-	48	-	50	2
12	35	3	37	2	38	3	41	-	42	3	44	2
11	31	2	32	3	34	1	35	3	37	2	38	3
10	27	1	28	1	29	2	30	3	32	-	34	-
9	23	-	24	-	25	-	26	1	27	1	29	1
8	18	3	19	3	20	3	21	3	23	1	24	2
7	15	-	15	3	16	3	17	-	18	1	19	2
6	11	3	12	1	12	3	13	2	14	1	15	-
5	9	-	9	3	10	-	10	1	11	1	11	-
4	6	2	6	3	7	1	7	2	8	1	8	2
3	4	-	4	1	4	2	4	3	5	1	5	2
2	2	-	2	-	2	1	2	1	2	3	2	3
1	-	3	-	3	-	3	1	-	1	-	1	-

The 138 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	38	37	36	35	34	33	32	31	30	29	28	27
38	138	-										
37	137	1	138	-								
36	136	-	137	1	138	-						
35	133	3	136	-	137	1	138	-				
34	131	1	133	3	135	3	137	-	138	-		
33	128	3	131	-	133	3	135	3	137	-	138	-
32	126	1	128	3	131	-	133	2	135	2	137	-
31	123	-	125	3	128	-	130	2	133	-	135	1
30	119	-	122	1	125	1	127	3	130	-	133	-
29	115	-	118	2	121	2	124	3	127	2	130	-
28	111	-	114	1	117	2	121	-	124	1	127	-
27	107	-	110	1	113	1	116	2	120	-	123	1
26	103	-	106	1	109	-	112	1	115	2	119	1
25	98	2	101	1	104	2	107	3	110	3	114	2
24	94	-	97	-	100	-	103	1	106	1	110	-
23	88	3	92	-	95	1	98	1	101	2	104	3
22	84	-	87	-	90	1	93	2	96	3	100	-
21	78	3	82	-	84	3	88	-	91	1	94	3
20	73	3	77	-	79	1	82	3	85	3	89	-
19	69	-	71	2	74	-	77	-	80	-	83	2
18	63	2	66	-	69	-	71	3	74	2	77	1
17	58	2	61	-	63	-	66	1	69	-	71	3
16	53	2	56	-	58	1	60	2	63	2	66	1
15	48	1	50	2	52	3	55	1	58	-	60	-
14	43	3	45	2	47	1	49	2	51	3	54	-
13	39	2	40	3	42	2	44	1	46	1	48	1
12	34	3	36	-	37	3	39	-	41	1	43	2
11	30	2	31	3	33	-	34	2	36	-	37	2
10	26	1	27	1	28	2	29	3	31	-	32	1
9	22	1	23	-	24	1	25	1	26	2	27	2
8	18	-	19	-	20	-	21	-	22	-	23	2
7	14	2	15	1	15	3	16	3	17	-	18	2
6	11	2	11	3	12	2	12	3	13	3	14	-
5	8	3	9	1	9	3	10	-	10	2	11	1
4	6	1	6	2	7	-	7	1	7	2	8	1
3	3	3	4	-	4	1	4	2	4	3	5	-
2	2	-	2	-	2	1	2	1	2	1	2	3
1	-	3	-	3	-	3	1	-	1	-	1	-

The 139 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	38	37	36	35	34	33	32	31	30	29	28	27
38	139	-										
37	133	1	139	-								
36	137	-	138	1	139	-						
35	135	-	137	-	138	1	139	-				
34	132	1	134	3	136	3	138	-	139	-		
33	129	2	132	-	134	2	136	3	138	-	139	-
32	127	-	129	3	132	-	134	2	136	2	138	-
31	123	3	126	3	129	-	131	2	134	-	136	-
30	120	-	123	1	126	1	128	2	131	-	134	-
29	116	-	119	1	122	1	125	3	128	2	130	3
28	112	-	115	-	118	1	121	3	125	-	127	3
27	108	-	111	-	114	-	117	1	121	-	124	1
26	103	3	107	-	109	3	113	-	116	2	120	1
25	99	1	102	-	105	-	108	2	111	2	115	-
24	94	2	97	3	100	3	104	-	107	-	111	-
23	89	1	92	3	96	-	99	-	102	-	105	2
22	84	3	87	2	91	-	94	-	97	1	101	-
21	79	1	82	2	85	1	88	2	92	-	95	1
20	74	-	77	2	79	3	83	1	86	1	90	-
19	69	2	72	-	74	2	77	2	80	3	84	-
18	64	-	66	2	69	2	72	1	75	1	77	3
17	59	-	61	2	63	2	66	3	69	2	72	1
16	53	3	56	2	58	2	61	-	64	-	66	3
15	48	3	50	3	53	-	55	2	58	1	60	2
14	44	-	45	3	47	2	49	3	52	1	54	2
13	39	3	41	-	42	3	44	2	46	2	48	3
12	35	-	36	1	38	-	39	2	41	2	43	1
11	30	2	32	-	33	-	34	3	36	2	37	3
10	26	2	27	2	28	3	30	-	31	1	32	2
9	22	2	23	1	24	2	25	2	26	3	27	3
8	18	1	19	-	20	-	21	1	22	-	23	-
7	14	3	15	1	16	-	17	-	17	1	18	2
6	11	2	12	-	12	2	13	-	13	3	14	2
5	9	-	9	1	10	-	10	1	10	2	11	1
4	6	1	6	2	7	-	7	1	7	2	8	1
3	3	3	4	-	4	1	4	2	4	3	5	-
2	2	-	2	-	2	1	2	1	2	2	2	3
1	-	3	-	3	-	3	1	-	1	-	1	-

The 140 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	38	37	36	35	34	33	32	31	30	29	28	27
38	140											
37	139	1	140									
36	138	-	139	1	140							
35	136	-	138	-	139	1	140					
34	133	1	135	2	137	3	139	-	140			
33	130	2	133	-	135	2	137	2	139	-	140	
32	128	-	130	2	133	-	135	2	137	2	139	-
31	124	3	127	2	130	-	132	2	135	-	137	1
30	121	-	124	-	127	-	129	2	132	-	135	-
29	116	2	120	3	123	1	126	3	131	3	134	2
28	112	3	116	-	119	1	122	3	126	-	128	3
27	108	3	111	3	115	-	118	1	122	-	125	1
26	104	2	107	3	110	2	114	-	117	1	121	1
25	100	-	102	3	106	-	109	1	112	1	116	-
24	95	1	98	1	101	1	104	3	108	-	111	3
23	90	-	93	1	96	2	99	3	102	2	106	1
22	85	2	88	1	91	2	94	3	98	-	101	3
21	80	-	83	-	86	-	89	1	92	2	96	-
20	74	3	78	-	80	2	84	-	86	3	90	3
19	70	-	72	2	75	-	78	-	81	1	84	3
18	64	2	67	-	70	-	72	3	75	2	78	2
17	59	2	62	-	64	-	67	1	70	-	73	-
16	54	1	57	-	59	-	61	2	64	-	67	-
15	49	-	51	1	53	2	56	-	58	3	61	-
14	44	2	46	-	48	-	50	1	52	2	54	3
13	40	-	41	2	43	1	44	3	47	-	49	-
12	35	1	36	3	38	1	39	3	42	-	43	2
11	30	3	32	1	33	1	35	-	36	2	38	1
10	26	2	27	3	29	-	30	1	31	2	32	3
9	22	2	23	2	24	2	25	2	27	-	28	3
8	18	1	19	1	20	-	21	1	22	1	23	2
7	14	3	15	1	16	-	17	1	18	2	19	1
6	11	2	12	-	12	2	13	-	14	3	15	1
5	9	-	9	1	10	-	10	1	10	2	11	1
4	6	2	6	2	7	-	7	1	8	1	8	2
3	3	3	4	-	4	1	4	2	4	3	5	1
2	2	-	2	-	2	1	2	2	2	3	2	3
1	-	3	-	3	-	3	1	-	1	-	1	-

The 141 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	39	38	37	36	35	34	33	32	31	30	29	28
39	141	-										
38	140	1	141	-								
37	139	-	140	1	141	-						
36	137	-	139	-	140	1	141	-				
35	134	3	137	-	139	-	140	-	141	-		
34	132	1	134	-	136	2	138	3	140	-	141	-
33	129	2	131	2	134	-	136	2	138	2	140	-
32	126	1	129	-	131	2	134	-	136	2	138	3
31	122	3	125	3	128	2	130	3	133	2	136	-
30	118	2	121	3	125	-	128	-	130	2	133	-
29	114	2	117	1	121	1	124	1	127	3	130	1
28	110	3	113	2	116	3	120	1	123	2	127	-
27	106	2	109	2	112	3	115	3	119	1	122	2
26	102	-	105	1	108	2	111	1	114	3	118	1
25	97	2	100	3	103	2	106	3	110	1	113	1
24	92	2	96	-	99	1	102	1	105	2	108	3
23	87	2	90	3	94	-	97	1	100	1	103	1
22	82	3	86	-	89	-	92	1	95	1	98	3
21	77	2	80	2	83	3	86	2	90	-	93	1
20	72	3	75	1	78	2	81	-	84	2	87	1
19	67	3	70	2	73	-	75	2	78	3	82	-
18	63	-	65	-	67	2	70	2	73	1	76	-
17	57	3	60	-	62	2	64	2	67	2	70	2
16	52	2	54	3	57	1	59	1	61	3	65	-
15	47	2	49	2	51	2	54	-	56	2	59	-
14	43	-	44	3	46	2	48	1	50	2	52	3
13	38	2	40	1	41	2	43	2	45	1	47	1
12	34	-	35	2	37	-	38	2	40	-	42	-
11	29	3	31	-	32	2	33	2	35	1	36	-
10	26	-	26	3	27	3	29	1	30	2	31	3
9	21	3	22	3	23	3	24	3	25	3	27	-
8	17	3	18	2	19	2	20	1	21	2	22	2
7	14	1	15	-	15	2	16	-	17	-	17	2
6	11	1	11	3	12	-	12	3	13	-	14	3
5	8	3	9	-	9	2	10	-	10	1	10	3
4	6	1	6	2	6	3	7	-	7	2	7	3
3	3	3	3	3	4	-	4	1	4	2	4	3
2	2	-	2	-	2	1	2	1	2	2	2	2
1	-	3	-	3	-	3	1	-	1	-	1	-

The 142 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	39	38	37	36	35	34	33	32	31	30	29	28
39	142	-										
38	141	1	142	-								
37	139	3	141	1	142	-						
36	137	3	139	3	141	1	142	-				
35	135	2	138	-	139	3	141	-	142	-		
34	133	-	135	-	137	2	139	2	141	-	142	-
33	130	2	132	2	135	-	137	2	139	1	141	-
32	127	-	130	-	132	2	135	-	137	2	139	-
31	123	2	126	2	129	2	131	3	134	2	137	-
30	119	1	122	3	126	-	129	-	131	2	134	-
29	115	1	118	-	122	-	125	-	128	2	131	-
28	111	2	114	2	117	3	121	1	124	2	128	-
27	107	-	110	1	113	3	116	3	120	-	123	3
26	102	3	106	-	109	1	112	-	115	2	119	-
25	98	-	101	2	104	1	107	2	111	-	114	-
24	93	1	96	2	100	-	103	-	106	1	109	2
23	88	1	91	1	94	3	98	-	101	1	104	1
22	83	1	86	3	89	3	93	-	96	-	99	-
21	78	-	81	1	84	1	87	1	90	2	94	-
20	73	-	76	-	79	-	81	3	85	-	88	-
19	68	-	71	-	73	2	76	1	79	1	82	2
18	63	1	65	1	68	-	71	-	74	-	76	3
17	58	1	60	1	63	-	65	-	68	-	71	-
16	52	3	55	-	57	2	59	3	62	1	65	1
15	47	3	49	3	52	-	54	1	57	-	59	2
14	43	1	45	-	46	3	48	3	51	-	53	1
13	38	3	40	2	42	-	43	3	45	2	47	3
12	34	1	35	3	37	1	38	3	40	1	42	1
11	30	-	31	1	32	3	33	3	35	2	37	1
10	26	-	27	-	28	-	29	1	30	2	32	-
9	22	-	23	-	23	3	25	-	26	-	27	1
8	17	3	18	2	19	2	20	2	21	2	22	2
7	14	2	15	-	15	2	16	1	17	1	17	2
6	11	2	11	3	12	-	13	-	13	1	14	-
5	8	3	9	-	9	2	10	-	10	1	10	3
4	6	1	6	2	6	3	7	-	7	2	7	3
3	3	3	4	-	4	-	4	1	4	2	4	3
2	2	-	2	-	2	1	2	1	2	2	2	3
1	-	3	-	3	-	3	-	1	-	1	-	1

The 143 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	39	38	37	36	35	34	33	32	31	30	29	28
39	143	-										
38	142	1	143	-								
37	140	3	142	1	143	-						
36	138	3	140	3	142	1	143	-				
35	136	2	139	-	140	3	142	-	143	-		
34	134	-	136	-	138	2	140	2	142	-	143	-
33	131	2	133	1	136	-	138	2	140	2	142	-
32	128	-	131	-	133	2	135	3	138	1	140	2
31	124	2	127	2	130	2	132	3	135	2	137	3
30	120	1	123	3	126	3	129	3	132	1	134	3
29	116	-	119	-	123	-	126	-	129	2	132	-
28	112	1	115	1	118	2	122	-	125	2	129	-
27	107	3	111	-	114	2	117	2	121	-	124	3
26	103	2	107	-	110	-	113	-	116	1	119	3
25	98	3	102	1	104	3	108	1	111	3	115	-
24	93	3	97	1	100	3	103	2	107	-	110	3
23	88	3	92	-	95	1	98	3	102	-	105	1
22	84	-	87	1	90	1	93	2	96	2	100	-
21	78	2	81	3	85	-	88	2	91	1	94	3
20	73	3	76	1	79	2	82	1	85	2	88	2
19	68	2	71	2	74	-	76	3	80	-	83	-
18	63	3	66	-	68	2	71	2	74	2	77	1
17	58	2	60	3	63	2	65	2	68	2	71	2
16	53	-	55	2	58	-	60	1	62	1	65	2
15	48	1	50	-	52	1	54	3	57	1	60	-
14	43	2	45	2	47	-	49	-	51	1	53	3
13	39	-	40	3	42	1	44	-	46	-	48	-
12	34	2	36	-	37	2	39	-	40	2	42	3
11	30	1	31	2	33	-	34	-	35	3	37	2
10	26	1	27	-	28	1	29	2	31	-	32	1
9	22	-	23	-	24	-	25	-	26	1	27	2
8	18	-	18	3	19	3	20	2	21	3	22	3
7	14	2	15	-	15	3	16	2	17	1	17	3
6	11	2	12	-	12	1	13	-	13	1	14	7
5	8	3	9	-	9	2	10	1	10	2	11	1
4	6	1	6	2	6	3	7	-	7	2	7	3
3	3	3	4	-	4	-	4	1	4	2	5	1
2	2	-	2	-	2	1	2	1	2	2	2	3
1	-	3	-	3	-	3	1	-	1	-	1	-

The 144 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	40	39	38	37	36	35	34	33	32	31	30	29
40	144	-										
39	143	1	144	-								
38	142	-	143	1	144	-						
37	140	-	141	3	143	1	144	-				
36	138	-	139	3	141	2	143	-	144	-		
35	135	1	137	2	140	-	141	2	143	-	144	-
34	132	3	135	-	137	-	139	2	141	2	143	-
33	130	-	132	1	134	1	137	-	139	2	141	2
32	126	2	129	-	132	-	134	2	136	3	139	1
31	122	2	125	1	128	1	131	1	133	3	136	2
30	118	1	121	1	124	2	127	3	130	3	133	1
29	114	1	117	-	119	3	124	-	126	3	130	2
28	110	-	112	3	116	1	119	1	123	-	126	1
27	105	2	108	2	111	3	115	1	118	1	121	3
26	101	-	104	1	107	3	111	-	114	-	117	1
25	96	2	99	2	103	-	105	2	109	-	112	2
24	91	1	94	1	98	-	101	2	104	1	107	3
23	86	2	89	2	92	3	96	-	99	2	102	2
22	81	1	84	2	87	3	91	-	94	1	97	1
21	76	2	79	-	82	1	85	2	88	2	92	-
20	72	-	74	1	77	-	80	1	83	-	86	1
19	66	2	69	-	72	-	74	2	77	2	80	2
18	61	3	64	1	66	1	69	-	72	-	75	-
17	56	3	59	-	61	1	63	3	66	-	69	-
16	51	3	53	2	55	3	58	2	60	3	63	1
15	46	3	48	2	50	2	52	2	55	-	57	2
14	42	2	43	3	45	3	47	2	49	1	51	2
13	37	3	39	1	41	-	42	2	44	1	46	1
12	33	2	34	3	36	1	37	3	39	1	40	3
11	29	1	30	2	31	3	33	-	34	1	36	-
10	25	1	26	2	27	1	28	2	29	3	31	1
9	21	1	22	1	23	1	24	1	25	1	26	2
8	17	1	18	-	18	3	19	3	20	3	22	-
7	14	-	14	2	15	1	15	3	16	3	17	2
6	11	1	11	2	12	-	12	1	13	-	13	1
5	8	2	9	-	9	1	9	2	10	1	10	2
4	6	-	6	1	6	2	6	3	7	-	7	2
3	3	2	3	3	4	-	4	1	4	2	4	3
2	2	-	2	1	2	1	2	2	2	2	2	3
1	-	3	-	3	-	3	1	-	1	-	1	-

The 145 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	40	39	38	37	36	35	34	33	32	31	30	29
40	145	-										
39	144	1	145	-								
38	143	-	144	1	145	-						
37	141	-	142	3	144	1	145	-				
36	139	-	140	3	142	3	144	-	145	-		
35	136	1	138	2	141	-	142	3	144	-	145	-
34	133	3	136	-	138	-	140	2	142	2	144	-
33	130	3	133	1	135	1	138	-	140	2	142	2
32	127	1	130	-	133	-	135	1	137	3	140	1
31	123	1	126	1	129	-	132	1	134	2	137	2
30	119	-	122	-	125	1	128	3	131	3	134	1
29	115	-	117	3	120	2	124	3	127	3	131	1
28	110	3	113	2	117	-	120	1	123	3	127	-
27	106	-	109	1	112	3	116	-	119	-	122	2
26	101	3	105	-	108	2	111	3	114	3	118	-
25	97	1	100	-	103	3	106	1	109	3	113	1
24	92	1	95	-	98	2	102	-	105	-	108	2
23	87	-	90	1	93	1	96	3	100	1	103	1
22	82	-	85	-	88	2	91	2	95	-	98	-
21	77	-	79	3	83	-	86	-	89	-	92	2
20	72	2	74	3	77	2	80	3	83	2	86	3
19	67	1	69	3	72	2	75	-	78	-	81	-
18	62	1	64	3	66	3	69	2	72	2	75	2
17	57	1	59	2	61	2	64	1	66	1	69	2
16	52	1	53	3	56	1	59	-	61	1	63	2
15	47	1	48	3	50	3	53	-	55	1	58	-
14	42	3	44	1	46	-	47	3	49	3	52	-
13	38	-	39	2	41	1	42	3	44	2	46	2
12	33	3	35	-	36	2	38	-	39	2	41	1
11	29	2	30	3	32	-	33	1	34	2	36	1
10	25	2	26	2	27	2	28	3	30	-	31	2
9	21	1	22	1	23	2	24	2	25	2	26	2
8	17	2	18	1	19	-	20	-	20	3	22	-
7	14	-	14	3	15	1	16	-	17	-	17	2
6	11	1	11	2	12	-	12	2	13	-	13	2
5	8	3	9	-	9	1	9	2	10	1	10	2
4	6	-	6	2	6	2	6	3	7	1	7	2
3	3	2	3	3	4	-	4	1	4	2	4	3
2	2	-	2	1	2	1	2	2	2	2	2	3
1	-	3	-	3	1	-	1	-	1	-	1	-

The 146 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	40	39	38	37	36	35	34	33	32	31	30	29
40	146 -											
39	145 1	146 -										
38	144 -	145 1	146 -									
37	142 -	143 3	145 1	146 -								
36	140 -	141 3	143 3	145 -	146 -							
35	137 -	139 2	141 3	243 2	145 -	146 -						
34	134 2	137 -	139 -	141 2	143 2	145 -	146 -					
33	131 2	134 -	136 1	138 3	141 2	143 1	145 -	146 -				
32	128 -	130 3	134 -	136 1	138 2	141 1	143 -	145 -	146 -			
31	124 -	127 1	130 -	133 1	135 2	138 1	140 3	143 -	145 -	146 -		
30	119 3	123 -	126 1	129 1	132 3	135 1	137 3	140 3	143 -	145 -	146 -	
29	115 3	118 2	121 1	125 3	128 2	132 1	135 -	137 2	140 1	142 3	145 -	146 -
28	111 2	114 2	118 -	121 -	124 3	128 -	131 2	134 2	136 3	140 -	142 2	145 -
27	106 3	110 -	113 2	117 1	120 -	123 3	127 -	130 2	133 3	136 2	139 2	142 1
26	102 2	105 3	109 1	112 2	115 2	118 3	122 2	126 2	129 2	133 2	136 -	139 1
25	98 -	100 3	104 1	107 -	110 2	114 1	117 2	121 -	125 1	129 -	132 2	135 3
24	92 3	95 3	99 1	102 2	105 3	109 1	112 3	116 2	119 2	123 2	128 -	132 -
23	87 2	91 -	94 -	97 1	100 3	104 -	107 1	111 -	114 3	118 3	122 1	127 -
22	82 2	85 3	89 -	92 1	95 2	98 3	102 2	105 3	109 3	113 2	117 -	121 1
21	77 2	80 1	83 2	86 3	89 3	93 1	96 2	100 -	103 3	108 1	111 3	115 3
20	73 -	75 1	78 -	81 1	84 -	87 2	90 2	94 3	98 -	102 1	105 3	109 3
19	67 3	70 -	73 -	75 2	78 2	81 2	85 -	88 1	91 3	95 3	99 1	103 2
18	62 3	65 -	67 1	70 -	73 -	76 -	79 -	82 -	85 2	89 1	93 -	97 1
17	57 2	59 3	62 -	64 3	67 -	70 -	73 -	76 -	79 -	82 2	86 1	90 2
16	52 2	54 1	56 2	59 1	61 2	64 -	67 -	70 -	73 -	76 -	79 1	83 1
15	47 2	49 -	51 1	53 1	55 3	58 2	61 -	63 2	67 -	70 -	73 -	76 1
14	42 3	44 2	46 1	48 -	50 -	52 1	54 3	57 1	60 2	63 1	66 2	69 3
13	38 1	39 3	41 2	43 -	45 -	46 3	49 -	51 1	53 3	56 2	59 2	62 3
12	34 -	35 1	36 3	38 1	40 -	41 2	43 2	45 3	47 2	50 -	52 2	55 2
11	29 3	30 3	32 1	33 2	34 3	36 2	38 -	40 -	41 1	43 3	46 1	48 1
10	25 3	26 3	27 3	29 -	30 -	31 2	32 3	34 2	36 1	37 3	39 3	42 -
9	21 2	22 2	23 2	24 2	25 2	26 3	28 -	29 1	31 1	32 2	34 -	35 3
8	17 2	18 1	19 -	20 -	21 -	22 1	23 1	24 3	26 2	27 -	28 3	30 -
7	14 1	14 3	15 1	16 -	17 -	17 3	18 -	19 2	20 3	22 -	23 1	24 2
6	11 2	11 2	12 -	12 2	13 -	13 2	14 2	15 1	16 -	17 -	17 3	18 3
5	8 3	9 -	9 2	9 3	10 1	10 2	11 -	11 2	12 -	12 2	13 1	14 -
4	6 -	6 2	6 3	7 -	7 1	7 2	8 -	8 2	8 3	9 -	9 2	10 -
3	2 2	3 3	4 -	4 1	4 2	4 3	5 -	5 1	5 2	5 3	6 1	6 2
2	2 -	2 -	2 1	2 1	2 2	2 2	2 3	2 3	3 -	3 1	3 2	3 3
1	- 3	- 3	- 3	1 -	1 -	1 -	1 -	1 -	1 -	1 -	1 -	1 -

The 147 Gallon Cask, whose Bung Diameter dips in Inches, viz:

	40	39	38	37	36	35	34	33	32	31	30	29
40	147	-										
39	146	1	147	-								
38	145	-	146	1	147	-						
37	143	-	144	3	146	1	147	-				
36	141	-	142	3	144	3	146	-	147	-		
35	138	-	140	2	142	3	144	3	146	-	147	-
34	135	1	137	3	140	-	142	2	144	2	146	-
33	132	2	135	-	137	1	139	3	142	1	144	1
32	129	-	131	2	134	3	137	1	139	2	142	1
31	125	-	128	-	131	-	134	-	136	1	139	1
30	120	2	123	3	127	-	130	2	133	2	136	1
29	116	2	119	1	122	1	126	2	129	2	133	1
28	112	-	115	1	118	2	122	-	125	2	129	-
27	107	2	111	-	114	-	117	3	120	3	124	1
26	103	1	106	1	110	-	113	1	116	1	119	2
25	98	2	101	2	105	-	107	3	111	1	115	-
24	93	1	96	2	100	-	103	1	106	2	110	-
23	88	-	91	2	94	2	98	-	101	2	104	2
22	83	-	86	1	89	2	93	-	96	-	99	1
21	78	-	81	-	84	-	87	1	90	1	94	-
20	73	2	75	3	78	2	82	-	84	3	88	-
19	68	-	70	2	73	2	76	-	79	-	82	-
18	63	1	65	2	67	3	70	2	73	2	76	2
17	58	-	60	1	62	2	65	-	67	1	70	2
16	53	-	54	2	57	-	59	2	62	-	64	-
15	47	3	49	2	51	2	53	3	56	1	59	-
14	43	1	44	3	46	3	48	1	50	1	52	-
13	38	2	40	1	41	3	43	2	45	1	47	1
12	34	-	35	2	37	-	38	2	40	1	41	3
11	30	-	31	-	32	2	33	3	35	-	36	3
10	26	-	27	-	27	3	29	-	30	1	31	3
9	21	2	22	3	23	3	24	3	25	3	27	-
8	17	3	18	2	19	1	20	1	21	-	22	1
7	14	1	15	-	15	2	16	1	17	1	18	-
6	11	2	11	3	12	1	12	2	13	1	13	2
5	8	3	9	-	9	2	9	3	10	2	10	-
4	6	-	6	2	6	3	7	-	7	1	7	-
3	3	3	3	3	4	-	4	1	4	2	4	-
2	2	-	2	-	2	1	2	1	2	2	2	3
1	-	3	-	3	-	3	1	-	1	-	1	-

The 148 Gallon Cask, whose Bung Diameter dips in Inches, viz.

41	40	39	38	37	36	35	34	33	32	31	30
41	148	-	.	.	.	.	.	.	.	.	.
40	147	1	148	-	.	.	.	.	.	.	.
39	146	-	147	1	148	-	.	.	.	.	.
38	144	1	146	-	147	1	148	-	.	.	.
37	141	3	143	3	145	3	147	-	148	-	.
36	139	1	142	-	143	3	145	3	147	-	148
35	136	3	139	-	141	1	143	3	145	3	147
34	134	-	136	1	138	3	141	-	143	2	145
33	130	1	133	1	136	-	138	-	140	3	143
32	127	-	129	3	132	3	135	3	138	-	140
31	122	2	126	-	128	3	132	-	135	-	137
30	118	2	121	2	124	2	128	-	131	2	134
29	114	3	117	1	120	-	123	-	127	1	130
28	110	1	112	3	116	-	119	1	122	3	126
27	105	3	108	1	111	2	115	-	118	2	121
26	101	-	104	-	107	-	110	3	114	-	117
25	96	1	99	-	102	1	105	3	108	1	112
24	91	2	94	-	97	-	100	3	104	-	107
23	86	-	88	2	92	-	95	1	98	3	102
22	81	2	83	2	86	3	90	1	93	2	96
21	76	1	78	2	81	2	84	2	87	3	91
20	71	2	74	-	76	1	79	-	82	2	85
19	66	2	68	2	71	-	74	-	76	2	79
18	61	3	63	2	65	3	68	-	71	-	74
17	56	1	58	1	60	2	63	-	65	2	67
16	51	-	53	1	55	-	57	1	60	-	62
15	46	2	48	-	49	3	51	3	54	-	57
14	41	3	43	2	45	-	47	-	48	3	50
13	37	2	38	3	40	2	42	1	43	3	45
12	33	1	34	1	35	3	37	1	38	3	40
11	29	-	30	-	31	1	32	2	34	-	35
10	25	-	26	-	27	-	28	-	29	1	30
9	21	-	21	3	22	3	24	-	24	3	26
8	17	1	17	3	18	2	19	1	20	1	21
7	13	3	14	2	15	-	15	2	16	1	17
6	11	-	11	2	11	3	12	1	12	2	13
5	8	2	8	3	9	-	9	2	9	3	10
4	6	-	6	2	6	3	7	-	7	1	7
3	3	2	3	3	3	3	4	-	4	1	4
2	2	-	2	-	2	1	2	1	2	1	2
1	-	3	-	3	-	3	1	-	1	-	1

The 149 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	41	40	39	38	37	36	35	34	33	32	31	30
41	149	-										
40	148	1	149	-								
39	147	-	148	1	149	-						
38	145	1	147	-	148	1	149	-				
37	142	2	144	3	146	3	148	-	149	-		
36	140	1	142	3	144	2	146	3	148	-	149	-
35	137	3	140	-	142	1	144	3	146	3	148	-
34	134	3	137	-	139	3	142	7	144	1	146	2
33	131	1	134	1	136	3	139	-	141	3	144	1
32	128	-	130	2	133	2	136	2	139	-	141	2
31	123	1	126	3	129	2	132	3	135	3	138	1
30	119	1	122	3	125	2	129	-	132	1	135	2
29	115	1	118	-	121	-	124	-	128	1	131	1
28	111	-	113	3	116	3	120	1	123	2	127	-
27	106	-	109	-	112	1	115	3	119	1	122	2
26	101	3	104	2	107	3	111	2	115	-	117	3
25	96	3	99	3	103	-	106	1	109	-	112	3
24	92	-	94	2	97	3	101	2	104	2	108	-
23	86	2	89	1	92	3	96	-	99	2	102	3
22	82	-	84	1	87	1	91	-	94	-	97	2
21	76	3	79	1	82	-	85	1	88	1	91	3
20	72	-	74	2	76	3	79	3	83	-	85	3
19	67	-	69	-	71	2	74	2	77	-	80	-
18	62	1	64	-	66	2	68	2	71	2	74	2
17	56	3	58	3	61	-	63	1	66	-	68	1
16	51	2	53	2	55	1	57	2	60	1	63	-
15	46	3	48	1	50	-	52	-	54	2	57	-
14	42	1	43	3	45	2	47	1	49	-	51	-
13	37	3	39	-	40	3	42	2	44	-	46	-
12	33	2	34	2	36	-	37	2	39	-	40	3
11	29	1	30	1	31	2	32	3	34	1	35	2
10	25	-	26	1	27	1	28	1	29	2	31	-
9	21	-	21	3	23	-	24	-	25	-	27	1
8	17	2	18	-	18	3	19	2	20	2	21	2
7	14	-	14	2	15	-	15	2	16	2	17	1
6	11	-	11	2	12	-	12	1	12	3	13	2
5	8	2	9	-	9	1	9	2	9	3	10	2
4	6	-	6	1	6	2	6	3	7	1	7	3
3	3	2	3	3	4	-	4	-	4	1	4	2
2	2	-	2	-	2	1	2	1	2	1	2	2
1	7	3	-	3	-	3	1	-	1	-	1	-

The 150 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	41	40	39	38	37	36	35	34	33	32	31	30
41	150	-										
40	149	1	150	-								
39	148	-	149	1	150	-						
38	146	1	148	-	149	1	150	-				
37	143	2	145	3	147	3	149	-	150	-		
36	141	1	143	3	145	2	147	3	149	-	150	-
35	138	2	141	-	143	1	145	2	147	3	149	-
34	135	3	138	-	140	2	143	-	145	1	147	2
33	132	-	135	-	137	3	140	-	142	2	145	1
32	129	-	131	2	134	2	137	2	140	-	142	1
31	124	-	127	2	130	2	133	3	136	3	139	1
30	120	-	123	-	126	1	129	3	133	-	136	1
29	116	-	118	3	122	-	125	-	129	-	132	1
28	111	3	114	2	117	2	121	-	124	2	128	-
27	107	-	109	3	113	-	116	2	120	-	123	1
26	102	2	105	1	108	1	112	1	115	3	118	2
25	97	2	100	2	103	3	107	-	110	-	113	2
24	92	3	95	1	98	2	102	-	105	1	108	3
23	87	-	90	-	93	2	96	2	100	-	103	2
22	82	2	84	3	88	-	91	2	94	3	98	1
21	77	1	79	3	82	2	86	-	89	-	92	1
20	72	2	75	-	77	1	80	1	83	2	86	1
19	67	2	69	2	72	-	75	2	77	2	80	2
18	62	2	64	2	66	3	69	-	72	-	75	2
17	57	-	59	-	61	2	63	3	66	2	68	3
16	51	3	54	-	55	2	58	-	61	-	63	1
15	47	-	48	2	50	2	52	2	55	-	57	2
14	42	2	44	-	45	3	47	2	49	2	51	1
13	38	-	39	1	41	-	42	3	44	1	46	1
12	33	3	34	3	36	1	37	3	39	1	41	-
11	29	2	30	2	31	3	33	-	34	2	35	3
10	25	1	26	2	27	2	28	2	29	3	31	1
9	21	-	22	-	23	-	24	1	25	1	26	1
8	17	2	18	-	18	3	19	3	20	2	21	2
7	14	-	14	2	15	-	15	3	16	2	17	1
6	11	1	11	3	12	-	12	2	13	-	13	-
5	8	2	9	-	9	1	9	2	10	-	10	2
4	6	-	6	1	6	2	6	3	7	1	7	2
3	3	2	3	3	4	-	4	1	4	3	4	3
2	2	-	2	-	2	1	2	1	2	1	2	2
1	-	3	-	3	1	-	1	-	1	-	1	-

The 151 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	42	41	40	39	38	37	36	35	34	33	32	31
42	151											
41	150	1	151	-								
40	149	-	150	1	151	-						
39	147	1	149	-	150	1	151	-				
38	145	1	147	1	149	-	150	-	151	-		
37	142	2	144	2	146	3	148	3	150	-	151	-
36	140	-	142	1	144	3	146	2	148	3	150	-
35	137	-	139	2	142	-	144	1	146	2	148	-
34	134	-	136	2	139	-	141	2	144	-	146	1
33	130	-	133	-	136	-	138	3	141	-	143	2
32	125	3	129	3	132	1	135	1	138	1	141	-
31	122	-	125	-	128	2	131	2	134	2	137	3
30	118	-	121	-	124	-	127	1	130	2	134	-
29	113	3	116	3	119	2	122	3	125	3	130	-
28	109	-	112	2	115	1	118	1	122	-	125	1
27	104	2	107	3	110	2	113	3	117	1	121	-
26	99	3	103	-	106	-	109	-	113	-	116	1
25	95	1	98	1	101	1	104	2	107	3	110	3
24	89	3	93	2	96	-	99	-	102	3	106	-
23	85	-	87	3	90	2	94	-	97	-	100	3
22	80	-	83	-	85	1	88	2	92	-	95	1
21	75	2	77	3	80	1	83	-	86	1	89	3
20	70	2	73	-	75	2	77	3	80	3	84	-
19	65	1	68	-	70	-	72	2	75	2	78	-
18	60	2	63	-	65	-	67	1	69	2	72	2
17	55	-	57	2	59	2	61	3	64	1	67	-
16	50	-	52	-	54	2	56	-	58	2	61	1
15	45	2	47	1	49	-	51	-	53	-	55	1
14	41	-	42	3	44	1	46	1	47	3	49	3
13	36	3	38	1	39	2	41	1	43	-	44	2
12	32	3	34	-	35	-	36	2	38	-	39	2
11	28	1	29	2	30	3	32	-	33	1	34	3
10	24	2	25	2	26	2	27	3	28	3	30	-
9	20	2	21	1	22	1	23	1	24	2	25	1
8	17	-	17	3	18	1	19	-	19	3	20	3
7	13	2	14	-	14	3	15	1	16	-	16	2
6	10	3	11	1	11	3	12	-	12	2	13	-
5	8	1	8	3	9	-	9	1	9	3	10	-
4	5	3	6	1	6	1	6	2	6	3	7	1
3	3	2	3	2	3	3	4	-	4	1	4	2
2	2	-	2	-	2	-	2	1	2	1	2	-
1	-	3	-	3	-	3	-	3	-	1	-	1

The 152 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	42	41	40	39	38	37	36	35	34	33	32	31
42	152	-										
41	151	1	152	-								
40	150	-	151	1	152	-						
39	148	1	150	-	151	1	152	-				
38	146	-	148	1	150	-	151	-	152	-		
37	143	1	145	2	147	3	149	3	151	-	152	-
36	141	-	143	1	145	3	147	2	149	3	151	-
35	138	-	140	2	142	3	145	1	147	2	149	-
34	134	3	137	1	140	-	142	2	144	3	147	-
33	131	1	134	-	137	-	139	3	142	-	144	2
32	126	3	130	2	133	1	136	1	139	1	142	-
31	122	3	126	-	129	1	132	2	135	1	138	2
30	118	3	122	-	125	-	128	-	131	2	135	-
29	114	2	117	2	120	1	123	3	126	2	131	-
28	110	-	113	1	116	-	119	-	122	3	126	-
27	105	1	108	1	111	1	114	2	118	-	121	3
26	100	2	103	3	106	3	110	-	113	3	117	-
25	96	-	99	-	102	-	105	-	108	1	111	2
24	90	1	94	-	96	2	99	3	103	2	106	3
23	85	2	88	1	91	1	94	3	97	3	101	2
22	80	2	83	2	86	-	89	1	92	2	96	-
21	76	-	78	1	81	-	83	2	87	-	90	1
20	70	3	73	2	76	-	78	1	81	1	84	2
19	65	2	68	2	70	2	73	-	76	2	81	3
18	61	-	63	2	65	2	67	3	70	-	73	-
17	55	2	57	3	60	-	62	1	64	3	67	2
16	50	2	52	2	54	3	56	1	58	3	61	3
15	46	-	47	2	49	1	51	1	53	1	55	2
14	41	1	42	3	44	2	46	2	48	1	50	-
13	37	-	38	2	40	-	41	2	43	3	45	-
12	32	3	34	1	35	1	36	3	38	1	39	3
11	28	2	29	3	31	-	32	1	33	2	35	1
10	24	3	25	2	26	3	27	3	28	3	30	-
9	20	2	21	2	22	1	23	2	24	2	25	2
8	17	-	17	3	18	1	19	-	20	-	21	-
7	13	3	14	1	14	3	15	1	16	1	16	3
6	10	3	11	2	11	3	12	1	12	3	13	-
5	8	1	8	3	9	-	9	2	9	3	10	-
4	6	-	6	1	6	1	6	2	7	1	7	-
3	3	2	3	2	3	3	4	1	4	2	4	3
2	2	-	2	-	2	-	2	-	2	1	2	2
1	-	3	-	3	-	3	1	-	1	-	1	-

The 153 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	42	41	40	39	38	37	36	35	34	33	32	31
42	153	-										
41	152	1	153	-								
40	151	-	152	1	153	-						
39	149	1	151	-	152	1	153	-				
38	147	-	149	1	151	-	152	-	153	-		
37	144	1	146	3	148	3	150	3	152	-	153	-
36	142	-	144	1	146	2	148	2	150	3	152	-
35	139	-	141	2	143	3	146	1	148	2	150	2
34	135	2	138	1	141	-	143	2	145	3	148	1
33	132	-	135	-	138	-	140	2	143	-	145	2
32	127	2	131	2	134	1	137	-	140	1	142	3
31	123	3	127	-	131	-	133	1	136	-	139	2
30	119	2	123	-	125	3	129	-	132	1	135	3
29	115	1	118	1	121	1	124	2	127	2	131	2
28	110	3	114	-	116	3	119	3	123	2	127	-
27	106	-	109	-	112	-	115	1	118	3	122	2
26	101	1	104	2	107	1	110	3	114	2	117	3
25	96	2	99	2	102	2	106	-	109	-	112	-
24	91	-	94	3	97	1	100	2	104	-	107	2
23	86	-	89	-	92	-	95	2	98	2	102	-
22	81	-	84	-	86	2	90	-	93	1	96	2
21	76	2	78	3	81	2	84	-	87	2	91	-
20	71	1	74	-	76	2	78	3	81	3	85	1
19	66	-	69	-	71	-	73	2	76	2	79	-
18	61	1	63	3	65	3	68	1	70	2	73	2
17	55	3	58	-	60	1	62	2	65	-	67	3
16	50	3	53	-	55	-	56	3	59	1	62	-
15	46	1	48	-	49	2	51	2	53	2	56	-
14	41	2	43	-	45	-	46	3	48	2	50	2
13	37	1	38	3	40	1	41	3	43	3	45	1
12	33	-	34	2	35	2	37	-	38	2	40	-
11	28	3	30	-	31	-	32	2	33	3	35	1
10	25	-	25	3	27	-	28	-	29	-	30	1
9	20	3	21	2	22	2	23	2	24	3	25	2
8	17	-	18	-	18	2	19	1	20	-	21	-
7	13	3	14	1	15	-	15	2	16	1	16	3
6	10	3	11	2	12	-	12	1	12	3	13	1
5	8	2	8	3	9	-	9	2	9	3	10	1
4	6	-	6	2	6	2	6	3	7	-	7	1
3	3	2	3	2	3	3	4	-	4	1	4	2
2	2	-	2	-	2	-	2	-	2	1	2	2
1	-	3	-	3	-	3	1	-	1	-	1	-

The 154 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	42	41	40	39	38	37	36	35	34	33	32	31
42	154	-										
41	153	1	154	-								
40	152	-	153	1	154	-						
39	150	-	152	-	153	1	154	-				
38	148	-	150	1	151	3	153	-	154	-		
37	145	-	147	1	149	3	151	3	153	-	154	-
36	143	-	145	-	147	2	149	2	151	2	153	-
35	140	-	142	2	144	3	147	-	149	2	151	-
34	136	2	139	1	142	-	144	2	146	3	149	1
33	132	3	135	3	138	3	141	2	143	3	146	1
32	128	1	132	1	135	-	138	-	141	-	143	2
31	124	2	127	3	131	-	134	1	137	-	140	1
30	120	1	123	3	126	2	129	3	133	-	136	3
29	116	-	119	-	122	-	125	2	128	1	132	2
28	111	2	114	3	117	2	120	3	124	1	127	2
27	106	2	109	3	112	3	116	-	119	2	123	1
26	102	-	105	1	108	-	111	1	115	1	118	2
25	97	-	100	1	103	1	106	2	110	-	112	3
24	91	3	95	1	97	3	101	1	104	3	108	1
23	86	2	89	2	92	2	96	-	99	-	102	3
22	81	3	84	2	87	-	90	2	94	-	97	1
21	77	-	79	1	82	-	84	3	88	-	91	2
20	71	2	74	2	77	-	79	1	82	1	85	3
19	66	2	69	2	71	2	74	-	77	-	83	1
18	61	3	64	1	66	1	68	2	71	-	74	1
17	56	1	58	2	60	3	63	-	65	2	68	1
16	51	1	53	1	55	2	57	1	59	2	62	2
15	46	2	48	1	50	-	51	3	54	-	56	1
14	41	3	43	2	45	1	47	-	48	3	50	3
13	37	2	39	-	40	2	42	-	44	-	45	2
12	33	1	34	3	35	3	37	1	38	3	40	1
11	29	-	30	-	31	1	32	2	34	-	35	2
10	25	-	26	-	27	-	28	1	29	1	30	2
9	20	3	21	3	22	2	23	3	25	-	25	3
8	17	-	18	-	18	2	19	2	20	1	21	1
7	14	-	14	2	15	-	15	2	16	1	17	1
6	11	-	11	2	12	-	12	1	12	3	13	1
5	8	2	8	3	9	-	9	2	10	-	10	1
4	6	1	6	2	6	2	6	3	7	-	7	1
3	3	2	3	2	3	3	4	-	4	1	4	2
2	2	-	2	-	2	-	2	-	2	1	2	3
1	-	3	-	3	-	3	1	-	1	-	1	-

The 155 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	42	41	40	39	38	37	36	35	34	33	32	31
42	155	-										
41	154	1	155	-								
40	153	-	154	1	155	-						
39	151	-	153	-	154	1	155	-				
38	149	1	151	1	152	3	154	-	155	-		
37	146	-	148	1	150	3	152	3	154	-	155	-
36	144	-	146	-	148	2	150	2	152	2	154	-
35	141	-	143	2	145	3	148	-	150	2	152	2
34	137	1	140	1	142	3	145	1	147	3	150	1
33	133	3	136	2	139	3	142	2	144	3	147	1
32	129	-	133	-	135	3	139	-	142	-	144	2
31	125	1	128	2	132	-	135	-	138	-	141	1
30	121	-	124	2	127	2	130	2	134	-	137	3
29	116	3	119	3	123	-	126	-	129	-	133	1
28	112	1	115	1	118	1	121	2	125	-	128	2
27	107	-	110	2	113	2	116	3	120	1	124	-
26	102	2	106	-	108	3	112	-	116	-	119	2
25	97	3	101	-	104	-	107	1	110	2	113	1
24	92	1	96	-	98	2	102	-	105	2	109	-
23	87	-	90	1	93	-	96	2	99	2	103	1
22	82	1	85	-	87	2	91	-	94	3	97	3
21	77	2	80	-	82	2	85	1	88	2	92	-
20	72	-	75	-	77	2	80	-	82	3	86	1
19	67	-	70	-	72	-	74	2	77	2	80	-
18	62	1	64	3	66	3	69	-	71	1	74	2
17	56	2	59	-	61	1	63	2	66	-	68	3
16	51	2	53	2	56	-	57	2	60	-	63	-
15	46	3	48	2	50	2	52	1	54	1	56	2
14	42	-	43	3	45	3	47	1	49	-	51	-
13	37	3	39	1	40	3	42	1	44	1	45	3
12	33	2	35	-	36	-	37	2	39	-	40	2
11	29	-	30	2	31	2	32	3	34	-	35	2
10	25	1	26	-	27	1	28	2	29	2	30	3
9	21	-	21	3	22	3	24	-	25	-	26	3
8	17	1	18	-	18	3	19	2	20	1	21	1
7	14	-	14	2	15	-	15	2	16	1	17	-
6	11	-	11	2	12	-	12	2	13	-	13	1
5	8	2	8	3	9	1	9	2	10	1	10	3
4	6	-	6	2	6	2	6	3	7	-	7	2
3	3	2	3	2	3	3	4	-	4	1	4	2
2	2	-	2	-	2	-	2	-	2	1	2	2
1	-	3	-	3	-	3	1	-	1	-	1	-

The 156 Gallon Cask, whose Bung Diameter dips in Inches, viz.

42	41	40	39	38	37	36	35	34	33	32	31
42	156	-									
41	155	1	156	-							
40	154	-	155	1	156	-					
39	152	-	154	-	155	1	156	-			
38	150	-	152	-	153	3	155	1	156	-	
37	147	-	149	1	151	3	153	3	155	-	
36	145	-	147	-	149	2	151	2	153	2	156
35	141	3	144	1	145	3	149	-	151	2	155
34	138	-	141	1	143	3	146	1	148	3	151
33	134	3	137	2	140	2	143	1	145	3	148
32	130	-	134	-	136	3	140	-	143	-	145
31	126	-	129	1	132	3	135	3	139	-	142
30	122	-	125	1	128	1	131	2	135	-	138
29	117	2	120	2	123	3	126	3	130	-	134
28	113	-	116	-	119	-	122	2	126	-	129
27	107	3	111	1	114	1	117	2	121	-	125
26	103	1	106	2	109	3	113	-	116	3	120
25	98	2	101	3	104	3	108	-	111	1	114
24	93	-	96	2	99	-	102	2	106	-	110
23	87	2	91	-	93	3	97	-	100	-	103
22	82	3	85	3	88	-	91	3	95	1	98
21	78	-	80	2	83	-	85	3	89	-	92
20	72	2	75	1	78	-	80	2	83	1	87
19	67	1	70	1	72	1	75	-	78	-	80
18	62	2	65	-	67	-	69	2	71	3	75
17	57	-	59	1	61	2	64	-	66	1	69
16	51	3	54	-	56	1	58	-	60	1	63
15	47	-	48	3	50	3	52	2	54	2	57
14	42	2	44	-	46	-	47	2	49	2	51
13	38	-	39	2	41	-	42	2	44	2	46
12	33	3	35	1	36	1	37	3	39	1	40
11	29	1	30	2	31	3	33	-	34	2	35
10	25	2	26	1	27	2	28	2	29	2	31
9	21	-	22	-	23	-	24	-	25	1	26
8	17	1	18	1	18	3	19	2	20	2	21
7	14	-	14	3	15	1	15	3	16	2	17
6	11	-	11	2	12	-	12	2	13	-	13
5	8	2	9	-	9	1	9	2	10	-	10
4	6	-	6	2	6	2	6	3	7	-	7
3	3	2	3	2	3	3	4	-	4	1	4
2	2	-	2	-	2	-	2	1	2	1	2
1	-	3	-	3	1	-	3	1	1	-	1

The 157 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	42	41	40	39	38	37	36	35	34	33	32	31
42	157	-										
41	156	1	157	-								
40	155	-	156	1	157	-						
39	153	-	155	-	156	1	157	-				
38	151	-	153	-	154	3	156	-	157	-		
37	148	-	150	1	152	3	154	3	156	-	157	-
36	145	3	148	-	150	2	152	2	154	2	156	-
35	142	2	145	1	147	3	150	-	152	2	154	2
34	139	-	142	1	144	3	147	1	149	3	152	1
33	135	2	138	1	141	2	144	1	146	2	149	-
32	131	-	135	-	137	3	140	3	144	-	146	-
31	127	-	130	-	133	3	136	2	139	3	143	-
30	122	3	126	1	129	-	132	1	135	3	139	1
29	118	1	121	2	124	2	127	3	130	3	135	1
28	113	3	116	3	119	3	123	1	126	2	130	1
27	108	2	112	-	115	-	118	1	122	-	125	3
26	103	3	107	1	110	1	113	3	117	2	121	-
25	99	-	102	1	105	1	108	2	112	-	115	-
24	93	2	97	-	99	3	103	-	106	3	110	1
23	88	-	91	2	94	2	97	3	101	-	104	2
22	83	1	86	1	88	3	92	1	95	3	99	-
21	78	2	81	-	83	2	86	1	89	2	93	-
20	73	-	75	3	78	2	81	-	83	3	87	2
19	67	3	70	3	72	3	75	2	78	2	81	-
18	63	-	65	2	67	2	70	-	72	1	75	2
17	57	1	59	2	62	-	64	1	66	3	69	2
16	52	1	54	1	56	2	58	1	60	3	63	3
15	47	2	49	1	51	-	53	-	55	1	57	1
14	42	3	44	2	46	1	48	-	49	3	51	2
13	38	1	39	3	41	1	42	3	44	3	46	2
12	34	-	35	2	36	2	38	-	39	2	41	-
11	29	2	30	3	32	-	33	1	34	3	36	-
10	25	2	26	2	27	2	28	3	29	3	31	-
9	21	1	22	-	23	-	24	1	25	2	26	1
8	17	2	18	1	19	-	19	3	20	2	21	2
7	14	1	14	3	15	1	16	-	16	2	17	1
6	11	1	11	3	12	-	12	2	13	-	13	2
5	8	2	9	-	9	1	9	3	10	-	10	2
4	6	-	6	3	6	2	7	-	7	2	7	3
3	3	2	3	3	3	3	4	-	4	1	4	2
2	2	-	2	1	2	-	2	-	2	1	2	2
1	-	3	-	3	-	3	-	3	1	-	1	-

The 158 Gallon Casks, whose Bung Diameter dips in inches, etc.

	42	41	40	39	38	37	36	35	34	33	32	31
42	158	-										
41	157	1	158	-								
40	156	-	157	1	158	-						
39	154	-	156	-	157	1	158	-				
38	151	3	154	-	155	3	157	1	158	-		
37	149	1	151	-	153	2	155	3	157	-	158	-
36	146	2	149	-	151	2	153	2	155	-	157	-
35	143	2	146	-	148	2	151	-	153	-	155	2
34	140	-	143	1	145	3	148	1	150	2	153	-
33	136	1	139	1	142	2	145	1	147	2	150	-
32	131	3	135	3	138	2	141	3	144	3	147	1
31	127	3	131	-	134	2	137	2	140	3	144	-
30	123	2	127	-	129	3	133	-	136	2	140	-
29	119	-	122	1	125	1	128	2	131	3	136	-
28	114	2	117	2	120	2	124	-	127	1	131	-
27	109	1	112	3	115	2	118	3	122	3	126	2
26	104	2	108	-	111	-	114	1	118	1	121	3
25	99	3	103	-	106	-	109	-	112	3	116	-
24	94	-	97	3	100	2	103	3	107	2	111	-
23	88	3	92	-	95	-	98	2	101	2	105	-
22	83	3	86	3	89	1	93	-	96	1	99	3
21	79	-	81	2	84	-	86	3	90	1	93	3
20	73	2	76	1	79	-	81	2	84	1	88	-
19	68	1	71	1	73	1	76	-	79	-	81	2
18	63	1	66	-	68	-	70	2	72	3	76	-
17	57	3	60	-	62	1	64	3	67	1	70	-
16	52	2	54	2	57	-	58	2	61	1	64	1
15	47	3	49	2	51	1	53	1	55	1	57	3
14	43	2	44	3	46	2	48	1	50	-	52	-
13	38	2	40	-	41	2	43	1	45	-	46	3
12	34	-	35	3	36	2	38	4	39	3	41	2
11	29	2	31	-	32	-	33	2	34	3	36	1
10	25	3	26	2	27	3	29	-	30	1	31	1
9	21	1	22	1	23	1	24	2	25	2	26	2
8	17	3	18	2	19	-	20	-	20	3	21	3
7	14	1	14	3	15	1	16	3	17	2	18	-
6	11	1	11	3	12	1	12	2	13	-	13	2
5	8	3	9	-	9	1	9	3	10	-	10	1
4	6	1	6	3	6	2	7	-	7	1	7	-
3	3	2	3	3	4	-	4	-	4	1	4	2
2	2	-	2	-	2	-	2	-	2	1	2	2
1	-	3	-	3	-	3	1	-	1	-	1	-

The 159 Gallon Casks whose Bung Diameter dips in Inches, viz.

	142	144	140	39	38	37	36	35	34	33	32	31
42	159	-										
41	158	1	159	-								
40	157	-	158	1	159	-						
39	155	-	157	-	158	1	159	-				
38	154	3	155	-	156	3	158	-	159	-		
37	150	-	152	2	154	2	156	3	158	-	159	-
36	147	2	150	-	152	2	154	2	156	3	158	-
35	144	2	147	-	149	2	152	-	154	1	156	2
34	141	-	144	-	146	-	149	1	151	2	154	-
33	137	-	140	-	143	1	146	1	148	2	151	-
32	132	2	134	-	129	11	142	3	145	2	148	-
31	128	2	132	-	125	11	138	2	141	2	144	3
30	124	1	127	3	130	2	134	-	137	1	141	3
29	119	3	123	-	126	-	129	2	132	2	136	3
28	115	1	118	1	121	1	125	-	128	-	131	3
27	110	-	113	2	116	1	119	3	123	2	127	3
26	105	-	108	2	111	3	115	-	120	-	122	2
25	100	1	103	3	106	3	110	-	113	2	116	3
24	94	3	98	1	101	1	104	1	108	-	111	3
23	89	1	92	2	95	2	99	-	102	1	105	3
22	84	1	87	1	90	-	93	2	97	-	100	1
21	79	2	82	-	84	2	87	1	90	3	94	2
20	74	-	77	3	79	2	82	-	85	-	88	2
19	68	3	71	2	73	3	76	1	79	2	82	1
18	63	3	66	2	68	1	71	-	73	1	76	2
17	58	-	60	2	62	3	65	-	67	2	70	2
16	52	3	55	-	57	1	59	-	61	2	64	2
15	48	-	49	3	51	3	53	2	55	2	58	1
14	43	1	45	-	46	3	48	2	50	1	52	1
13	38	3	40	1	41	3	43	2	45	1	47	2
12	34	1	36	-	36	3	38	2	40	-	41	3
11	29	3	31	1	32	1	33	2	35	-	36	2
10	26	-	26	3	28	-	29	-	30	-	31	2
9	21	2	22	2	23	2	24	2	25	3	26	3
8	17	3	18	2	19	1	20	-	20	3	21	3
7	14	1	15	-	15	2	16	1	16	3	17	2
6	11	4	11	3	12	1	12	2	13	1	13	3
5	8	3	9	-	9	2	9	3	10	1	10	2
4	6	1	6	3	6	2	8	7	1	7	2	7
3	3	2	3	3	4	-	4	2	4	2	5	-
2	2	-	2	-	2	-	2	-	2	1	2	2
1	-	3	-	3	-	3	-	3	1	-	1	-

The 160 Gallon Cask, whose Bung Diameter dips in Inches, viz.

	42	41	40	39	38	37	36	35	34	33	32	31
42	160	-										
41	159	1	160	-								
40	158	-	159	1	160	-						
39	156	-	158	-	159	1	160	-				
38	153	3	156	-	157	3	159	-	160	-		
37	151	-	153	-	155	2	157	3	159	-	160	-
36	148	1	150	3	153	1	155	1	157	3	159	-
35	145	2	148	-	150	1	152	3	155	-	157	2
34	142	-	145	-	147	2	150	-	152	-	155	-
33	138	-	141	-	142	1	147	1	149	1	152	-
32	133	1	135	2	140	1	143	2	146	2	149	1
31	129	2	133	-	136	-	139	1	142	2	145	3
30	125	-	128	2	131	1	134	3	138	-	141	3
29	120	1	123	3	127	-	130	1	133	1	137	2
28	116	-	119	-	122	-	125	3	129	-	132	3
27	110	3	114	1	117	-	120	2	124	1	128	-
26	105	3	109	1	107	1	110	3	114	1	117	2
25	101	-	104	1	105	-	108	3	112	1	116	-
24	95	1	99	-	102	-	105	-	108	2	114	-
23	90	-	93	1	96	1	99	3	102	3	106	2
22	84	3	88	-	90	2	94	-	97	2	101	-
21	80	-	82	2	85	-	88	2	91	2	95	-
20	74	2	78	1	80	-	82	2	85	2	89	-
19	69	-	72	-	74	1	76	3	80	-	83	1
18	64	-	66	3	68	3	71	1	73	2	76	3
17	58	2	61	-	63	1	65	2	68	-	71	-
16	53	1	55	1	57	2	59	1	62	-	65	-
15	48	1	50	-	52	-	54	3	56	2	59	1
14	43	2	45	1	47	-	48	3	50	2	52	2
13	38	3	40	2	42	-	43	3	45	2	47	3
12	34	2	36	1	37	-	38	3	40	-	41	3
11	30	-	31	2	32	2	33	3	35	1	36	-
10	26	-	27	-	28	1	29	1	30	2	31	-
9	21	2	22	2	23	2	24	3	26	3	28	-
8	18	-	18	3	19	1	20	-	21	-	22	-
7	14	2	15	-	15	2	16	1	17	-	17	-
6	11	2	12	-	12	2	12	3	13	1	13	3
5	8	3	9	1	9	2	10	-	10	1	10	-
4	6	1	6	2	6	3	7	-	7	1	7	-
3	3	3	3	3	4	-	4	1	4	2	4	-
2	2	-	2	-	2	-	2	-	2	1	2	-
1	-	3	-	3	-	3	1	-	1	-	1	-